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QUARTERLY CALENDAR

OF

The University of Chicago

FOUNDED BY JOHN D. ROCKEFELLER

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MAY

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CHICAGO

The University Press of Chicago

1893 *re*

CALENDAR FOR 1893.

Jan. 1.	Sunday	FIRST TERM of Winter Quarter begins.	May 30.	Tuesday	Memorial Day; a holiday.
Jan. 2.	Monday	Matriculation of new students. WINTER MEETING of the University Convocation.	June 21-23.	Wednesday Thursday Friday	SUMMER EXAMINATIONS for admission to the Academic Colleges.
Feb. 11.	Saturday	FIRST TERM of Winter Quarter ends. WINTER MEETING of the University Union.	June 23.	Friday	SECOND TERM of Spring Quarter ends.
Feb. 12.	Sunday	SECOND TERM of Winter Quarter begins.	June 26.	Monday	SUMMER MEETING of the University Convocation.
Feb. 22.	Wednesday	Washington's birthday; a holiday.	Sept. 26-28.	Tuesday Wednesday Thursday	AUTUMN EXAMINATIONS for admission to the Academic Colleges.
Mar. 22-24.	Wednesday Thursday Friday	SPRING EXAMINATIONS for admission to the Academic Colleges.	Sept. 29-30	Friday Saturday	Matriculation of new students.
Mar. 24.	Friday	SECOND TERM of Winter Quarter ends. QUARTERLY RECESS—one week.	Oct. 1.	Sunday	FIRST TERM of Autumn Quarter begins.
April 1.	Saturday	FIRST TERM of Spring Quarter begins. SPRING MEETING of the University Convocation.	Oct. 2.	Monday	Matriculation of new Students.
May 12.	Friday	FIRST TERM of Spring Quarter ends. SPRING MEETING of the University Union.	Nov. 11.	Saturday	FIRST TERM of Autumn Quarter ends. AUTUMN MEETING of the University Union.
May 13.	Saturday	SECOND TERM of Spring Quarter begins.	Nov. 12.	Sunday	SECOND TERM of Autumn Quarter begins.
			Nov. 30.	Thursday	Thanksgiving day; a holiday.
			Dec. 21-23.	Thursday Friday Saturday	WINTER EXAMINATIONS for admission to the Academic Colleges.
			Dec. 23.	Saturday	SECOND TERM of Autumn Quarter ends.

NOTE 1:—Term examinations are held regularly in the middle and at the end of each Quarter.

NOTE 2:—The Summer Quarter will be omitted in 1893.

The University Calendar is issued about the first day of May, August, November, February, and contains an historical statement concerning the University work of the preceding quarter, the Registration of Students during the current quarter, and lists of courses of instruction to be offered during succeeding quarters.

The University Register is issued about May 1 of each year.

The University is situated on the Midway Plaisance, between Ellis and Lexington Avenues, and can be reached either by the Cottage Grove cable cars (from Wabash Avenue,) or by the Illinois Central railroad, to South Park station.

There is a Western Union telegraph office at the University.

The telephone number of the University is Oakland-300.

It will be sufficient to address any correspondence relating to the work of the University to

THE UNIVERSITY OF CHICAGO,
CHICAGO.

PART I.—HISTORICAL.

THE PROCEEDINGS OF THE FIRST UNIVERSITY CONVOCATION.

January 2, 1893.

THE CONVOCATION SERMON.

January 1, 1891.

The Convocation Sermon was preached by Professor Ezekiel Gilman Robinson, D.D., LL.D., from Haggai 1:6-7. "I will shake the heavens, and the earth, and the sea and the dry land; and I will shake all nations, and the desire of all nations shall come.

THE CONVOCATION ADDRESS.

Delivered by the Head Professor of History, Hermann Edouard von Holst, January 2, 1892, in Central Music Hall.

THE NEED OF UNIVERSITIES IN THE UNITED STATES.

72
"Eternal vigilance is the price of liberty." The children of this country are sure to have this sentence indelibly impressed upon their memory. The history of the United States can not be taught without mentioning it, and no teacher will mention it, without inculcating on the youthful minds the overshadowing political truth contained in the solemn warning. Without fully grasping its import the past can not be really understood. On the other hand, however, the present is not understood if one fails to see that, so far as this country is concerned, its applicability as a battle-cry is forever gone. In the meaning which it conveyed to the forefathers, it is for Americans in the main a thing of the dead and buried past. If the liberty of the people of the United States ever becomes endangered it will be by themselves. We need not stop to ask whether there is anybody else who might like to do it, for there is unquestionably no power on earth—neither without nor within—that could do it, if they be but true to themselves. And yet they could make no greater, nor more portentous mistake than to think that they can with impunity assign the maxim to the political lumber-room. It still holds good and will never cease to do so. Only its meaning has become modified in consequence of their being themselves the only enemy to be dreaded. Yes, to be dreaded indeed, for an overbearing and tyrannical government can be overthrown and hostile armies can be conquered; but in a democratic republic the people are irresistible, for they are everything. Therefore eternal vigilance, constant watching of themselves, is indispensable, and the only way to watch themselves, effectually is to interpret the maxim thus: *Incessant work* is the price of liberty.

NATIONAL PROBLEMS.

Americans contend that popular government has

stood the test in this country. All competent and fair-minded judges will concede that they have just cause to look back with patriotic pride upon the history of the United States; in other words that, taking all in all, the claim is well founded as to the past. If, however, the assertion is intended to mean that the past is in itself a sufficient guaranty as to the future, I for one am compelled to say, Beware! No greater danger to the ultimate success of popular government in this country is conceivable than the frame of mind from which such a claim would spring. I, too, have always been of the opinion that the United States were sure to vindicate the cause of democracy in the future, as they have done in the past. To doubt it would be to despair of mankind, for it is unquestionable—whether we like it or not—that in the whole civilized world the future belongs to democracy; and in the United States democracy has in all essential respects a better chance, *i. e.*, more favorable conditions to work out the great problem successfully, than it ever can have anywhere else. But if I feel sure that the United States will not disappoint the hopes they have raised, it is solely because their whole history vouches for it, that the American people will never become intellectually and morally so debauched, as to make such an insane claim the bark on which they might venture to weather the storms of the future. Not because what they have achieved *suffices*, may we confidently look ahead, but because it warrants the expectation, that they will go on growing with their tasks as they have done heretofore. He must be blind indeed, who does not see how much they will stand in need of that.

I should have studied the history of the United States to little purpose for twenty-five years, if I were to think lightly of what they have accomplished. But

with growing knowledge not only my admiration has grown apace. The conviction has steadily grown upon me and taken deeper root, that what they have done thus far have been but easy tasks in comparison to the problems in store for them. At first sight that may seem extravagant and preposterous, but reflection will, I think, compel all judicious observers to come to the same conclusion. The most careful scanning of the horizon does not reveal to my eye the smallest cloud which could be suspected the centre of an approaching cyclone. Not the slightest basis is offered for the apprehension that the American people will ever again be called upon to make a supreme effort, as when the Articles of Confederation were supplanted by the Constitution of the United States or in the Civil War. But if history teaches one lesson more forcibly than another, then it is this, that a crisis, requiring supreme efforts, is not what states and nations have to fear the most. If it befall a people still possessed of vitality, it is always overcome, just because their very existence is at stake. The innermost depths are stirred up, all the intellectual and moral energies are whipped into activity and strained to the utmost, the people rise above themselves, and the threatened catastrophe ultimately proves to have been a true blessing in disguise. A nation which has been intellectually and morally unequal to a great emergency must have had the characteristics of the hippocratic face stamped on its intellectual and moral life before the emergency arose. The crucial test of a people's vital forces is to obviate great crises by working out in a humdrum way the problems presented by its humdrum political and social life.

In the case of the United States these problems make demands upon the people, intellectually and morally, such as have never been made on any people on the face of the earth. Everything the world has seen heretofore in this respect is, in comparison, dwarfed almost into insignificance. The unparalleled rapidity of their material development as to wild territory brought within the pale of civilization, population, and wealth, the just boast of the past, is becoming a source of the greatest dangers for the future. Circumstances, with irresistible force, compel them to press onward with an intensity and impetuosity absorbing so much of the time, strength, and attention of the people, that it is next to impossible to attend to the perfection of what has already been achieved to the extent and in the manner it ought to be done. The child is already born that will live to see the day when the area of the present Union is inhabited by between one hundred and twenty and one hundred and fifty millions; and to make dem-

ocracy work as well with a nation of between one hundred and twenty and one hundred and fifty millions, as it did with a nation of sixty millions, is in itself no easy task. More than enough of elbow-room has been one of the main causes of the successes that have been thus far attained. This elbow-room rapidly diminishes from year to year, not only by the growth of population, but also by that peculiar feature of modern economical life, the accumulation of enormous wealth in a few hands—individuals and corporations—with a tendency to crowd out or swallow up all small competitors. The social question bids fair soon to assume, in some respects, a more intricate and dangerous character than in the Old World, from the very reasons which have thus far allowed the United States barely to taste the bitter cup, of which Europe has had to drink in deep draughts. On the one hand the vastness of economical possibilities gives wider scope and greater vigor to the tendency to concentrate wealth, driving it more frequently to provoking excesses, and, on the other, the masses are much more self-asserting, and in every way better equipped for defense and offense in their warfare with capital. The dangers born out of these contests are aggravated by another tendency equally characteristic of our times; the concentration of population, like that of wealth. This tendency, too, is in the United States comparatively stronger than anywhere else, and many reasons conspire to render it peculiarly prolific of difficulties and dangers. In Europe almost every city of importance has a history of many centuries, which can be made, and usually is more or less made, a source of conservative force. The swarms of new-comers find a nucleus of old elements which tradition, custom and law co-operate to endow with sufficient power of assimilation. The disorganizing and disintegrating tendencies carried into the community by the inordinately large accretions from outside find an array of counter-tendencies, as it were, intrenched behind strong breastworks, which it is not easy to carry by assault and would require a long time to take by regular approaches. In the United States, the cities whose origin dates back beyond the beginning of this century, are almost wholly confined to the thirteen original states; in most of those that are situated in other parts of the country, somebody is still living who has seen them in their first infancy, while many of them vie or surpass in population and wealth countless European cities of renown. But with their astounding growth in wealth and population, the science and art of municipal government and the homogeneity of their population have not grown apace. This leads us to the last problem which I shall notice

especially—certainly more perplexing and perhaps more fraught with dangers than any other. The European cities receive their accretions with imperceptible exceptions from their own country. In the United States the throngs flocking to the cities come, to a very considerable extent, from Europe. In addition to the tremendous tasks forced by the age of steam and electricity upon all civilized people, a mountain of the hardest and toughest problems is piled upon the shoulders of a nation that, in a sense, is not a nation, urged on by its own temperament and, partly compelled by the irresistible force of circumstances to accomplish in years what has taken nations, that were nations, generations and centuries to do. And wonderful, I am tempted to say, miraculous as the assimilating power of the American people has thus far proved itself to be, it has of late become highly questionable, whether it will not be worsted by what it is asked to do now, for it well-nigh touches the bounds of the impossible. Not the bulk, but the character of immigration is beginning to open an appalling vista into the future. Immigrants, who have little more in common with the people of the United States, than the human shape and the most general features of human nature, thrown in solid blocks of hundreds and thousands into the country, coming with the set purpose to form and remain distinct communities within the community, not only unable but unwilling to be assimilated politically or socially, intellectually or morally—that is a danger calculated to make every reflecting patriot blanch. Every such colony, whether it be in the large cities, in a mining town, or anywhere else, is a blow struck at the very vital roots of American democracy.

The list of knotty problems which the American people are imperatively called upon to solve is far from being exhausted. But I have said enough to prove, that if they should be tempted by their achievements of the past to say with the rich man of the parable: "Soul, thou hast much goods laid up for many years; take thine ease, eat, drink, and be merry," they would inevitably receive the same answer: "Thou fool!" Nor can they rely upon that "reserve of force and patriotism" which Mr. Bryce declares "more than sufficient to sweep away all the evils which are now tolerated." If this reserve fund of force and patriotism were ten times as great as it is, with regard to these problems it would be of no avail if it is thought that they can and will be satisfactorily dealt with by drawing to a sufficiently large amount upon it, when it has become an urgent necessity to do so. I say it again; at present appearances great crises are the least likely to occur. Now and then a squall as another mad attempt

of the anarchists, and a great strike leading to the destruction of much property and the spilling of a good deal of blood, must of course, be expected. Such disturbances, even if they rise to the dignity of a local civil war, will undoubtedly be suppressed. But what of that? Will thereby a single inch of ground be gained as to any one of the problems I have alluded to? No more than a delirious man is cured from his fever by being forced back into bed, after he has broken loose from his nurse and smashed the windows. No, the American people have to pay an infinitely higher price than some blood-letting now and then would be, if they want to leave to their children unimpaired the heritage of American democracy left to them by their sires. Work, steady, indefatigable, thorough work, work of the brain, inspired by the heart and work of the heart directed by reason—nothing less will do.

Nothing less! Yes, and no higher price is conceivable. They must draw upon their reserve of mental and moral force; they must draw largely upon it, not however at long intervals when great emergencies arise, but day for day, year in and year out, although days, months, and years glide by in sober sameness, without anything to stir up either head or heart to that deep emotion which always generates unwonted strength. Will they be equal to that? If they are, they will once for all make good everything they have ever claimed for democracy. Will they be? I unhesitatingly answer yes, although I am not prepared to concede, that no question is admissible, as to whether they *are* equal to it. But I am fully convinced, that they can be *made* equal to it, and that to do this, all that is needed is to make them see *how* it can, and therefore *must* be done.

To discuss to-day this question in all its manifold bearings is, of course, impossible. The evening, however, will have been well spent if we all go hence fully convinced, that it is our patriotic duty, jointly and individually, every one in his place, to exert ourselves to the best of our ability to get the lever forged, to which I shall presently call your attention. It is but one of the many which must be applied; but in the course of time it will be found to be the most powerful of all.

THEIR SELECTION.

Material prosperity cannot secure the future of the United States; nay, if material prosperity is not made by other agencies a source of strength, it must become a source of weakness, hastening and rendering more inevitable their ultimate downfall and ruin. That is the stern decree of the eternal moral laws governing the history of mankind. So it has been from the

dawn of recorded history, and so it must remain to the end of the world, unless human nature should undergo a radical change. The American people, consisting of men and women, have no human nature of their own constructed upon different ethical principles, and therefore there can be no exception in their favor. The name of no people that has played a part in the history of civilization has ever been wiped from the tablets of history, unless it had failed to do its duty by itself in its intellectual and moral life. The conqueror's sword, sweeping out of existence a civilized people, so as to make it permanently lose its distinctive entity, has always been the instrument executing the verdict rendered by its victim's sins of commission and omission. The fate of states and nations has been laid into their own hands. They work out their destiny for weal or woe, for salvation or perdition, by growing apace with their material prosperity, or falling behind it in their intellectual and moral life. If this be allowed to become stationary—as to activity, soundness, or elevation of the plane attained—decay is setting in. In all the respects named, it must grow better or worse; there is no third possibility.

Now we have seen that the material development of the United States is going on at a bewildering rate, and that with it, at the same break-neck tempo, a mass of problems of the first magnitude and more complicated and difficult than any task ever imposed upon any other state, is crowding in upon the people. The logical conclusion is so plain that no child can fail to draw it correctly. In activity, soundness, and elevation of the plane, the intellectual and moral life of the American people must attain the very highest standard to prevent disaster falling upon them from the portentous clouds hovering over their future. Not merely a higher standard than the present one, or as high as that of this or that other people, but the very highest attainable. It is, however, an undeniable fact that with regard to one of the principal agencies for the raising of the intellectual and moral standard, the United States are still lagging behind several of the leading nations of Europe. I do not say it as a reproach. I state a fact. I know full well the reasons why it is so, and I readily acknowledge that for these reasons it hardly could be otherwise. But I do not acknowledge that it need or must remain so. I most positively assert that the time has come when it can be changed, and, therefore, must be changed without further delay.

WHAT THE UNIVERSITY MAY DO.

There is in the United States as yet not a single university in the sense attached to this word by Europeans. All the American institutions bearing

this name are either compounds of colleges and universities—the university as an after-growth figuring still to some extent as a kind of annex or excrescence of the college—or hybrids of college and university, or, finally, a torso of a university. An institution, wholly detached from the school work done by colleges, and containing all the four faculties organically connected to a *universitas literarum*, does not exist.

The day when it could be seriously asserted that the United States could not afford to have such institutions is surely passed. A nation paying for pensions a sum considerably higher than the cost of the standing armies sucking out the life blood of European nations, not able to maintain universities—it is too absurd to deserve refutation. The other allegation inherited from the past, that there is no need of such institutions in this “plain democratic” country, is deserving of a still severer rebuff. Even if the universities are considered only as schools for imparting certain professional knowledge, it is a slur upon the American people, which I, though not to the manor born, shall never allow to pass uncontradicted. Count the American students going over to Europe and those flocking to your own institutions, coming, in this or that respect, nearest to the standard of European universities, and then tell me again, there is no need, *i. e.* no demand for universities! I have not only visited but lived in a number of countries, and the results of my observations of their higher educated youth is, that, though by no means as to knowledge, yet as to the earnestness, steadiness, and enthusiasm in the pursuit of knowledge, the American students stand first. And nature has not been in a stingy mood when weighing out their allotment of brains! Give them but the opportunities and you will soon see, whether they need to shun the comparison with the scholars of any other nation. They are handicapped in the race, handicapped in a way, which makes the blood of a true friend of this country tingle with impatience. You are a proud people. Ay! mount the steed of your pride and press the spurs into his flanks, till they quiver with pain. Be done, once for all and in every respect, with that nonsensical and humiliating prating about the “good average” being all the “plain democracy” needs or has any use for. No, I say, and again no! This nation of sixty-five millions dare not assign to itself such an unworthy position. It has achieved too much in the past and it must achieve too much in the future to rest satisfied with excelling as to the average; if it does not strive with intense purpose to excel also in everything above the average, satisfied with nothing less than the best and the highest, it will

and must fail. If democracy, because it rests upon the principle of equality, ought to retain, as much as it possibly can, the character of a plane—an elevated plane, but still a plane—then the sooner the world has done with democracy the better. The preachers of this doctrine are the worst enemies of the masses, whose interests they pretend to champion. The most effectual way to lift the masses to a higher plane—materially, intellectually, and morally—is to do everything favoring the climbing up of an ever increasing minority to higher and higher intellectual and moral altitudes. Therefore, universities of the very highest order become every year more desirable, nay, necessary for the preservation and the development of the vital forces of American democracy. Undoubtedly, to have them established is in the interest of those who would frequent them, but it is still infinitely more in the interests of the American people in its entirety.

This would hold good even if the universities were but, as I said before, schools for imparting certain professional knowledge. If the universities would furnish to the American people professionals of the order A, where they have thus far had to put up with the order B, and of the order B, where they had heretofore to be contented with the order C, I, for one, do not know of anything done by the American people rendering them unworthy of better service. Every American would consider it a gross insult, if he were told he ought not to buy a coat of good cloth, because shoddy is amply good enough for him. Is it not a much worse insult to say, Americans ought not to provide for obtaining the best professionals of every kind, for what the institutions of an inferior standard turn out will do very well for them? Nor is there any force in the argument that America has—especially in some branches, as for instance the law—many good professionals and quite a number of excellent ones, who have never enjoyed the advantages of a first-class university. Might they not have reached a still higher round of the ladder, if they had had those advantages? At all events it is better to have one thousand than ten good ones, for out of a thousand, nine hundred and ninety can acquire only with the help of superior advantages what ten attain by dint of genius or extraordinary application. Nature's favorites stand much less in need of first-class universities than the indifferent many who, in universities, as in every other walk of life, always constitute the great minority.

The imparting of certain professional knowledge is, however, by no means the only task of universities. In university teaching, the *How* is of as much importance as the *What*, and in some essential respects much more important than the *How Much*. A uni-

versity, which merely turns out efficient professionals, has done only one-third of its task. If, besides, a fair percentage of them has been made fit to become good independent scholars, half of its legitimate work has been done, but not more. Only if the whole intellectual and moral constitution of all has received for life the imprint of a true university education, has it accomplished what it must consciously and with set purpose strive for.

The university has not only, in the way of a college, to impart knowledge. It must also teach how additions to the treasury of knowledge are made. The teacher or the student must indeed be poor, never intended for anything but the hackney professional, if, in this part of the instruction, the spark of enthusiasm, which ought to have been struck from the pupil's mind in imparting knowledge, is not made to kindle a flame whose light and warmth will influence his whole life. From week to week the mind's eye ought to be opened wider to the inspiring fact that knowledge is something infinitely higher than a ware and a trade,—that it is a *good*, to be hungered and thirsted after for its own sake. And that is but the half-way house. The university or the student have not done their whole duty if the student do not carry from the halls of the Alma Mater the full consciousness into life that knowledge, because it is a good, is also a *sacred trust*.

These higher aims are the better attained, the closer the methods of true university teaching are adhered to. Not drill, not training, but educating by guiding, guiding with a constant view to rendering independent not only in technicalities, but in the first place, and above all, in thinking. Filter as many barrels and tanks full of facts and rules as you like into the student's memory, if you do nothing else, you will only produce new samples of Carlyle's "Professor Dry-as-dust," or Goethe's "Wagner" in *Faust*—quite useful men in their way, a kind of scientific brick-carriers and mortar-stirrers. But the university's business is to send forth architects,—not, indeed, every one fit to build palaces and cathedrals, but at least a weather-tight, comfortable and cheery house, with plenty of light, air and warmth,—a good home for himself and an enviable resort for friends. To guide the student systematically to ever-growing independence in thinking, is the only way to make him properly conscious that a grave *responsibility* attaches to thinking, *i. e.* that correct thinking is not only intellectually but also morally a duty toward one's self and toward one's fellow-men. If that were better and more generally understood, the records of vain regrets in the lives of individuals and of nations would be reduced by more

than one-half. And nowhere is there more need of it than in this democracy, where everybody is required to do his own thinking, not only for his private affairs but also for the common affairs of all, in community, state and nation. Independence in thinking and a lively sense of individual responsibility are the twin pillars on which the dome of democratic liberty rests. Fail to constantly strengthen them, while by the natural course of development the weight of the dome steadily increases, and it will come down with a terrible crash, crushing everything beneath it. Experience, however, teaches that the surest, if not the only way to propagate and invigorate independence in thinking and a lively sense of individual responsibility, is to grant a large measure of liberty. Where this truth is not recognized in theory and in fact with regard to university education, the vital principle of the true university is chained down, like the Prometheus of ancient mythology. Grant that by allowing a large measure of liberty—not only as to the *What*, but also as to the *How*, *When* and *How Much*—part of the students will lay in a smaller stock of facts, rules and technical training than they would have done, if they had studied under the restraints of a system closely resembling in leading features the systems deemed best adapted to the purposes of schools of a higher grade, principally colleges. That is more than compensated by the advantages which only the freedom of true university education can secure. Only this can fan the burning coals of that enthusiasm, which is absolutely untainted by any sordid motives, into the intensest glow;—only this can fully develop the inborn forces, for it alone allows full play in the use of them;—only this provides sufficiently for the invaluable lessons taught by stumbling and tripping;—only this incites to the development of distinctive intellectual individualities, casting off the dead weight, which to every aspiring mind lies in the consciousness of being moulded and pressed into shape according to some pattern cast in the notions of other people;—only this systematically fosters the intellectual and moral courage required for striking out new paths, for it methodically wars against that frame of mind, to which the jogging on in the old ruts seems as well and irreversible as a wise law of nature;—this alone pursues with unswerving steadiness of purpose the ideal, to send forth intellectually full grown men and women, and not overgrown boys and girls, for a while more or less shaky and top-heavy under the cargo of wisdom they have had to take in; and last, but not least, this only can produce an adequate number of the kind of missionaries the country stands in need of.

This, in my opinion, is the weightiest among all the

reasons requiring strenuous exertions for the speedy establishment of a goodly number of true universities. An ample number of more efficient professionals than the present average is highly desirable; but an ample number of men and women, thoroughly imbued with the spirit which true university education tends to awaken and strives to develop, becomes every year a more urgent necessity. Not as professionals will their greatest services be rendered to the people, but as citizens and fellow men. The aims they pursue, their manner of pursuing them, the whole view they take of life and its problems, their way of tackling every question, cannot but work as a beneficent leaven and a good seed for which a vast expanse of grateful soil is already prepared, from the palace of the merchant prince down to the block-house of the pioneer. Ah, indeed, I agree with Mr. Bryce, there is a great reserve of force and patriotism in the American people; but it needs to be put into activity, not spasmodically, but systematically and according to the most approved methods, so as to assert itself with enduring steadiness and persistence in the daily life of the nations in all its relations. And one of the methods most approved by experience is to bring into full play the *systematically trained sober second thought* and the *systematically trained idealism* of the nation. To be the nurseries of trained sober second thought and of that genuine idealism, which is not the opposite, but the complement of realism, that, however, is the main task of the true university. The universities must and they will be the nurseries of what Matthew Arnold calls "the remnant." Therefore, you must have them, for although unquestionably there is already a "remnant" in the American people, Arnold very correctly says, that everything depends upon the proportion the "remnant" bears to what he calls the "unsound majority." It never can be too large, and in a democratic republic of such vastness, and confronted by such a number of the most perplexing and portentous problems, it must be enormously large to insure the safety of the commonwealth. Sooner or later it will be found to be not large enough, unless those, who now constitute the "remnant," go to work in dead earnest to provide for educating, in the shape of university taught professionals of every kind, missionaries, who, by their whole way of feeling, thinking, and acting, will, day in and day out, infuse the spirit of the "remnant" into the "unsound majority." If a chasm opens up between the "remnant" and the "unsound majority" and is allowed to widen, nothing can save this country. The "remnant" must not only greatly increase in numbers, while vigorously struggling up to ever higher planes, but it

must, at the same time, be unremittingly intent upon filling up the gaps and lifting the majority out of any unsoundness. All these four purposes will be effectually furthered by establishing true universities. It would be no easy task to point out a more patriotic and more truly democratic work. Every one contrib-

uting towards it, with his money or with his work, may stand up before the American people in its entirety, remnant and majority, inseparably bound together for weal and for woe, for better and for worse, and say to it: *Tua res agitur*, it is *thy* cause I am contending for.

THE QUARTERLY STATEMENT OF THE PRESIDENT OF THE UNIVERSITY.

For the Quarter Ending January 1, 1893.

Members of the University, Trustees, Instructors, Students,
Invited Guests:

First days are always days of uncertainty and anxiety, but they are also days of peculiar interest and significance. The very uncertainty which attends them adds to this significance; for there is during this period of indefiniteness a possibility of development which no longer exists when fixity is once attained.

Our first days have seen little, perhaps too little, of this seemingly necessary uncertainty. From the beginning there has been a definiteness of plan which to some doubtless has appeared premature. Time will show—time indeed has already shown, that it is the definite conception which has power to move men to action; and if this conception is only sufficiently flexible, the possibilities of growth are not diminished by the definiteness.

Our first days have not been passed without anxiety. There have been weeks and months of serious solicitude. But, mark you, this solicitude has been occasioned by doubt, not as to what in the end could and should be done, but as to which of two or more things should be done in order best to secure the end. There has never been wavering, never despair; but there has been an appreciation of an ever increasing weight of responsibility, the appreciation of a burden growing heavier and heavier and one which in the nature of things must grow still more heavy as the work progresses.

We have met this evening together with our friends as members of the University to celebrate for the first time a day which we may confidently believe even a thousand years hence will be celebrated in the same spirit though in different form. Do we realize the meaning of it all? There is a feeling of uncertainty and anxiety connected with first days and the first doing of things. There is also sublimity and solemnity if the cause is high and holy and if being such the significance of it is appreciated.

This hour in which the University in its official capacity first comes before the public, is a sacred hour

in the life of each one who is directly or indirectly connected with the University. It is an hour of serious importance to the city within whose confines the University is situated and to the great section of our country tributary to the city. For all of us, for the city, for the country, for humanity and for God, this night, this hour is heavy with significance.

In the holding of this convocation we have in mind three things;

1. To furnish an opportunity to bestow the proper awards for work accomplished, and to dismiss with all the honors which the University can confer those who have shown themselves worthy of such honor. And on the other hand to receive into the privileges of the University those who have shown themselves prepared to take advantage of these privileges.

2. To look back for a moment over the months of work completed, in order that an estimate may be formed of the progress made, or if such it be, of ground lost. And on the other hand to look forward to the opportunities and the necessities of the future, to note and select for effort those opportunities which seem most promising.

3. To bind together into a unity the many complex and diverging forms of activity which constitute our university life and work, and, thus united, to stand before the public in a way to show our appreciation of its good will and at the same time to show, if it can be shown, that we in turn are deserving of this same good will.

To-night, it is impossible for some of us not to go back in thought a year; and since the work of some of us has been of this duration or even longer, we may be pardoned for extending thus the retrospect.

A year ago the foundations of the first buildings had just been placed. Only two buildings had at that time been provided for, a dormitory and a lecture hall.

A year ago, the grounds were a desolation and a waste, and the proposition to make them ready by October first was by many thought impracticable.

A year ago, a University had been announced and the announcement had gone to every corner of the earth; but the University was still on paper and the funds in hand, as recognized most clearly by those especially interested, were entirely inadequate. The funds at that time included the first great gift of Mr. Rockefeller, \$600,000, the \$400,000 of general subscription, the gift of land by Mr. Field, Mr. Rockefeller's second gift of \$1,000,000, the property and endowment coming to the University in its union with the Theological Seminary, in all about \$3,000,000.

A year ago only two men had received appointments in the faculty and entered upon their work; and in all not ten men had indicated their consent to serve the University as instructors. As we look upon the situation we see that a beginning had been made, but only a beginning. What is, to-night, the condition of the University?

The dormitory for men has been completed and every room is occupied. The Lecture Hall provided for by Mr. Silas B. Cobb, is finished and crowded to overflowing with instructors and students. Temporary buildings of a most convenient character have been erected for the library and for the work of physical culture. A chemical laboratory, the gift of Mr. S. A. Kent, to be the largest and best equipped in the country, is almost ready for the roof. A museum, the gift of Mr. George C. Walker, is under way. Dormitory buildings for women, the gifts of Mrs. Kelley, Mrs. Foster and Mrs. Beecher are rapidly approaching completion. A new dormitory for men, the gift of Mrs. Snell is under roof. The plans have been made and bids received for the erection of a physical laboratory, the gift of Mr. Martin A. Ryerson, and the work on it will begin at once. The plans are fully completed for a Biological Laboratory, the second gift of Mr. Marshall Field, and for a commons and dormitory, the gift of Mr. H. A. Rust. Within a few months buildings to cost at least a million and a half will be completed. The grounds are being graded, a large part of the necessary work having been accomplished.

The financial history of the year is not an uninteresting one. Did Mr. Rockefeller appreciate the needs of an institution which was to be called a university? Did he, as well as the Trustees of the University, appreciate the necessity of so arranging the salaries that it would be possible for the University to secure the ablest men in their departments of work, men not merely of national, but of international reputation? In answer to these questions there came to the University in February last the third great gift of a thousand \$1,000 five per cent. bonds with accrued

interest, thus adding to the income of the University for its first scholastic year the sum of \$91,666.

Did the citizens of Chicago see in the proposed University an institution which would benefit the city? Was it something in which they would take delight, something which they would support? Was an outsider to be allowed to bear the whole burden of its founding? By no means; and in ninety days the men and women of Chicago subscribed more than a million dollars for buildings and general equipment. The entire history of education records nothing of a similar character.

In October an opportunity presented itself for the purchase of certain discs already partly finished for an Astronomical Observatory, which was to have been established in California. The opportunity was accepted, the discs purchased, the contract for their completion made, the contract also given for the mounting; the dome, in fact three domes arranged for; and now, the plans of the building are being made, and in this gift the total amount of which cannot yet be calculated, Mr. Charles T. Yerkes, has made a contribution to the cause of science for which a thousand years hence men will be profoundly grateful. The credit, held by Chicago for so long, of possessing the largest glass, lost when the old Dearborn Observatory took second, third, and then still lower place in the list, is now regained, and, as before, Chicago leads.

It is not generally known that the University will be the recipient through the kindness and liberality of Mr. William E. Hale and Professor George E. Hale, father and son, of the instruments and apparatus of Kenwood observatory, a gift valued at not less than \$30,000.

On July 1, 1891, the University was assigned by the executors of the estate of William B. Ogden, seventy per cent. of the amount which by the terms of Mr. Ogden's will was intended for charitable purposes. The amount to be realized was uncertain. Because of legal difficulties, it seemed at more than one time probable that the University would not be the gainer by this assignment; but during the past few weeks the questions relating to the distribution of this charity fund have been settled. All parties concerned have approved most heartily the designation, and what was hoped for has now been realized. The University will receive a sum of money much larger than was originally expected, amounting, it is said by the attorney of the executors, to the sum of three quarters of a million. There is no longer any question. It has been settled finally and for all time; and in consideration of this gift the University will establish the Ogden Scientific School for advanced investigation in pure science.

But again the question arose, did those most closely interested in the University realize that even yet its funds were not sufficient for the work which it had undertaken? Did these friends not see that organized as broadly as it was a still larger annual income was needed? The question was asked and the answer to it came last week in the fourth, the latest—not the last—great gift of Mr. Rockefeller. Another thousand \$1,000 five per cent. bonds given to the University, the income of which may be used only for instruction.

Other gifts, large and small, amounting to more than a quarter of a million dollars have come to us within the last few weeks, the details of which I may not now make public. It is sufficient to note that within the year gifts have been made exceeding four millions of dollars.

The financial progress has been great; but in other respects the advance has been still greater. Instead of the two men of a year ago, there are to-day at work one hundred and twenty. In estimating this number it should be remembered that no Faculties of Law and Medicine have yet been organized, and that no provision has been made for technical work.

Some facts concerning the constitution of the faculty are worthy of note:

1. There are thirty-one professors, sixteen associate professors, twenty-six assistant professors, twelve instructors, nine tutors, three assistants, six readers, eight docents and sixty-one fellows:

2. The number giving instruction in Philosophy is four; in Political Economy, six; Political Science, two; History, twelve; Social Science and Anthropology, four; Comparative Religion, one; Semitic Language, five; Biblical and Patristic Greek, two; Sanskrit, one; Greek, six; Latin, seven; Romance Language, three; Germanic Languages, four; English, nine; Biblical Literature, eight; Mathematics, six; Astronomy, two; Physics, three; Chemistry, seven; Geology, six; Biology, eight; Physical Culture, two; Elocution, one.

3. The number engaged in University Extension work is fourteen regular instructors and forty-two who represent the University departments but do partial work in this department.

4. The instructors represent, so far as concerns their academic training, Amherst, four; Beloit, three; University of Berlin, one; Brown, seven; Cambridge, England, three; the Old University of Chicago, three; Colby, two; Denison, five; University of California, two; University of Edinburg, one; Göttingen, two; Harvard, six; Heidelberg, one; Johns Hopkins, one; Michigan, five; Rochester, four; University of Pennsylvania, two; Williams, three; Yale, eleven; and almost every important college of this country and

many of the foreign universities are represented by one or more men.

I take this opportunity, the first that has thus far presented itself, for myself and in behalf of the trustees of the University and the public which the trustees represent, to thank these men and women for the courage shown by them in leaving high and honorable positions in old and well established institutions to accept those tendered them in a University which had not been organized; for the confidence in the management of the University and in its future which was thus manifested; for the contributions of every kind which our city receives by their coming; if men and women were ever welcomed to new homes, you, my honored colleagues, are welcomed to Chicago.

The facts regarding students are of interest. The total enrollment has been 594; of these 166 are pursuing studies for the advanced degrees in the Graduate School; 182 are in the Divinity School, and 276 are doing undergraduate work. Nearly one-half of the the total enrollment consists of men and women who have already received the Bachelor's degree; these have come to us from ninety institutions; this number includes among others, Harvard, Yale, Columbia, Johns Hopkins, Princeton, Amherst, Brown, Williams, Bowdoin, Dartmouth, Oberlin, Denison, Rochester, Bucknell, De Pauw, Vassar, Wellesley, the Universities of Michigan, Illinois, Indiana, Wisconsin and Nebraska. Thirty-three states and thirteen foreign countries are represented. Every state in New England has sent a representative; Maine, heading the list, with Massachusetts, Connecticut and Rhode Island closely following; while California sends one more man than Maine. We may say with literal accuracy that our constituency extends from Maine to California. Five per cent. come from foreign countries; Ontario standing first, Nova Scotia and Norway next, with England, Scotland, Sweden, Denmark, Russia, Silesia, Burmah, Japan, and Asia Minor also represented. Of the total enrollment 23½ per cent. are women. Large emphasis has from the beginning been laid upon the graduate work, and this not without good reason; but it has been also intended that the work of the colleges should receive its proper share of attention. The time has not come in America to separate the college from the university; the line between the two has not been clearly drawn. The Colleges of the University of Chicago are and will be as strong as the best instructors and the best equipment can make them.

The intellectual life of the University in all its departments has already assumed definite form. Departmental Clubs have been organized in twelve or

more departments, and these joining together have formed the University Union, through which the students of the University will come into relation with the outside world. The Union will hold a public meeting about the middle of each Quarter.

The religious life has likewise shaped itself, and the Christian Union, open to every member of the University, whatever his faith or creed, has begun its work. This work includes a Sunday afternoon course of Bible study, a Sunday evening service of worship, philanthropic work, such as can be conducted by students, and still other forms of religious activity, each under the charge of a separate committee.

The work of the Academy at Morgan Park has been well organized; a hundred students, admitted only upon examination, and in various stages of advancement have entered upon the work of preparation for college. A high standard has been established, which if maintained, will, within no long time, give to Chicago and the west, an Academy worthy to stand by Phillips Exeter, or Phillips Andover. The University has no apology to offer for its direct interest in the work of the Academy. Interest in such work, and control of it are alike desirable and necessary. The time has come for the Universities, as such, to take in hand the whole question of secondary education. The responsibility may no longer be avoided. With an earnest appreciation of the responsibility assumed, we have established this Academy, and the establishment of it, we confidently believe, means much for secondary education in the west.

The affiliated work of the University, although just beginning, has made good progress in these last twelve weeks. No feature of the University organization is more unique than this; and none has in it greater possibilities. It presents problems, not a few; but problems which experience will solve. The experiments now being carried on have in them everything of promise. For the supervision of the work a special Dean has been appointed. And in the Harvard School, the Chicago Academy, and the Des Moines College, a work has been undertaken which, if successful, will largely modify our preparatory and college work. It is too early yet to judge the character of the results. More time is needed; meanwhile the friends of education may be assured that no injury is being done the University or the Affiliated Institutions.

No statement of the condition of things would be complete which omitted reference to the second and third divisions of the University.

In the University Extension Division, three departments of work have been fully organized. In the lecture-study department the number of lecturers, 53;

number of courses offered, 117; number of Centres, 40; number of courses given, 52; number of students in attendance, 12,878.

In the Correspondence Department, sixty courses of instruction are now offered: Academy courses, 18; Academic College courses, 22; University College courses, 20; 430 students receiving instruction in all departments.

In the Class-work Department, number of courses offered: Academy, 20; Academic College, 18; University College, 19; total 57.

Last Quarter there were organized five classes; attendance 52 students. These classes are still in progress. In the Winter Quarter there will be in addition 12 classes and 150 students.

The work of the University Press, the third division of the University, has been organized in three departments: The department for the purchase and sale of books, the printing department, and the publishing department. Already the type has been purchased for work of a high order and merit, and journals have been issued in the name of the University. *THE JOURNAL OF POLITICAL ECONOMY*, *THE UNIVERSITY EXTENSION WORLD*, and *THE BIBLICAL WORLD* have appeared, and arrangements are being made for the publication of others. The obligations of the University extend beyond its campus; and through the Press, in close alliance with all departments of the University, it is hoped that important results may be accomplished.

In all that has been said, the bright side of our condition, I confess, has been presented; but there is, as always, another side. The statement of it may be briefly made; for brevity will make it all the more forcible. It must be remembered (1) that though promises aggregating several millions of dollars have thus far been made the University, a large portion of this sum will not at once yield income to the University; (2) that the endowment funds are limited in their use, for the most part, to instruction, and that, consequently, the University has no fund for the many general expenses which are necessary; (3) that for the purchase of books and apparatus sufficient to meet the purposes of a university as distinguished from a college, large sums of money are needed, and that to-day the University has not expended for these purposes one dollar where it ought to have expended five. There are twenty five Departmental Libraries, each of which needs at once \$10,000. For apparatus in a single department, that of Physics, there should be spent \$100,000; (4) that for grading of ground, paving of streets, and for the necessary plant for heating and lighting, money is needed; (5) that additional dormitories to accommodate three hundred students must be secured; (6) that the University with

all its instructors and students, and with all its endowments, has not half the lecture-hall capacity actually necessary; has no gymnasium except a temporary one; no building for its library; no chapel; indeed no room which will seat comfortably more than one-half the present membership of the institution; (7) that the University has as yet made no provision whatever for Medicine, for Law, or for instruction in the many technical departments which in the city of Chicago should find a most welcome home.

This is the dark side of the picture, and it is a dark side. It is not unfamiliar to those connected with the University. The fact is, our very wealth is at once the source and the occasion of a poverty all the more difficult to bear because our friends cannot, will not see the exigencies of the case. The needs are very many and very great.

Our first Convocation has come, and now is gone. Will not the students of the University receive from it new inspiration for that which lies before them? Will not the Faculties of the University take up again their work no longer new, but already old; a work the magnitude of which no man can estimate; will not our friends carry home with them clearer conceptions of what the University is, what it is trying to do, and what it needs to make the effort successful; and will not

those men and women to whose liberality the University owes its existence recognize still more clearly than before, the greatness of the work undertaken, the Divine guidance in it all, the fact that what they have done has been done for all eternity.

The President announced the following Fellowships, Scholarships and Honors:

An Honorary Fellowship in History, assigned to John William Perrin.

A Junior Fellowship in Political Economy, assigned to John Wilson Million.

A Junior Fellowship in Political Economy, assigned to Ambrose Paré Winston.

Entrance Examination Scholarships:

In connection with September Examinations, to Alice Van Vliet.

In connection with December Examinations, to Cora B. Jackson.

Honors for Excellence in Examinations for Admission:

In connection with September Examination, to J. C. Friedman.

In connection with December Examinations, to Wesley Mitchell and Elizabeth Coolidge.

PROCEEDINGS OF THE SECOND UNIVERSITY CONVOCATION.

THE CONVOCATION SERMON.

The Convocation Sermon was preached by the Rev. Herrick Johnson, D.D., in the Hyde Park Presbyterian Church, from I. Timothy, 4:16, "Take heed to thyself."

THE CONVOCATION ADDRESS.

Delivered by the Head Professor of Geology, Thomas Chrowder Chamberlin.

THE MISSION OF THE SCIENTIFIC SPIRIT.

Among the earliest glimpses we catch of man's mental states there appear tokens of a strong desire for knowledge. If this desire can not be said to have been a dominant affection at the outset—and I fear it can not—it was at least a distinct characteristic. One of man's first acts, whether we read it in the sacred Hebrew narrative or in the natural history of the race, whether we interpret it historically or illustratively, was to put forth his hand to the tree of knowledge of good and evil.

Side by side with these tokens of a desire to know, there appear glimpses of misguided efforts to secure knowledge in neglect or defiance of its appointed laws and methods. Through this neglect or defiance, man gathered falsity as well as truth. His knowledge was but the fruitage of good and evil, not of good alone. But, underlying all his errors, there was a real desire for truth and a sincere effort to secure it. And so, among the great intellectual and moral struggles of the ages, none has been more profound, none has been more prolonged than the endeavor to secure the fruits of the tree of knowledge of good and avoid the baneful fruitage of the tree of mixed knowledge of good and evil.

At the very outset, a personal struggle arose in every mind. For, while every mind desires truth, it longs likewise for what is "pleasant to the eye" and sweet to the taste. Man desires truth, but he wishes it agreeable; it is not altogether the pure truth, but the truth with a qualification, and the qualification grows easily in the affections until it reverses the relations, and the truth becomes merely a desirable qualification of the agreeable.

In the conflict between the pure truth and a pleasurable illusion respecting the truth, the latter doubtless stood on vantage ground at the outset. For the time being, a pleasurable illusion gave the greater satisfaction. It was only when the illusion was dispelled and the reality disclosed and its effects suffered, that the sum total of sequences was felt. In this larger experience, we may feel sure, the truth proved

the more gratifying on the whole, and so, in time, the agreeable began to range itself on the side of truth. But this came slowly. The sequences were not always seen nor their force felt. In simple and tangible things, where sequences followed quickly upon antecedents and their relations were clear, it was easy to realize that it was better to find out the real truth and accept it, even though distasteful, than to entertain illusion for a time and in the end suffer the joint consequences of the truth and of the deception. But in things intricate and intangible, especially where sequences followed indistinctly and obscurely, there was a constant temptation to accept the most comforting view for the time and to refer ulterior ill results to other causes. The shortness and inaccuracy of the primitive insight and the complex intertanglement of agencies in most human affairs, gave ample room for this. And so, while truth grew apace in the more simple and tangible fields, it made slow progress in the more complex and intangible.

It is not strange, therefore, that the struggle between pure truth and mixed truth has been long and wavering. It is not strange that *we are yet* but in the early stages of the battle.

The lines of advance in this battle of the ages were not pushed forward with equal success at all points. Man's greatest desire for knowledge lay in the line of his own immediate concerns. But these involved complexities of phenomena he could not completely disentangle. He could not, therefore, accurately discriminate between them. And so, while he gathered truth he also gathered error. While he wove interpretations into the fabric of which much truth entered, threads of error ran through it in every part. All along down the intellectual history of man, this gathering of mixed truth and falsity is portrayed vividly even in the imperfect light which the fragmentary evidence throws upon it. As observation and reflection improved, many errors were disclosed and eliminated. But the process of purification was incidental and accidental, not systematic. While the mass of knowledge slowly in-

creased, the ratio of error still remained large, and an effective process of purification and rectification was the great intellectual need of the times. One such agency, indeed, arose early and worked faithfully and steadily on for pure unadulterated truth. It was, however, rather a process of thought and a doctrine of relations than a revealer of concrete truth. Its function was to enforce precision of reasoning and exactness of mental method. It disclosed and applied the inflexible sequences that spring from logical relations. At once a science and a philosophy, it was rather a philosophy than a science. I need not name mathematics. Reaching out on the one hand toward observation and on the other toward the philosophies, it stimulated both to higher work, while in its own sphere it wrought constantly on, not simply for the truth, but for the pure and exact truth. It was, among human agencies, the one constantly shining star of pure intellectual light. The observational products on the one side, and the philosophical on the other, were everywhere threaded with serious errors.

But mathematics had its limitations. It could only deal with data furnished it. In so far as these were imperfect the defects were carried over into the results. It could treat what was given it with exactness and precision, but it had little power to purify original data. And so, though its work was noble, it fell short of constituting the rectifying agency needed.

Along with mathematics there sprang up kindred processes of logical procedure that grew into philosophies. These performed like functions in a wider field. But here not only the defects of the original data, but the logical errors inevitable in complicated questions, vitiated the results. And so, noble as was their work, the early philosophies failed to eliminate the great mass of error that had been gathered up along with the gathering of the truth.

There was imperative need, therefore, for a discriminating purifying agency to work in the gathering ground of fact. The stream of knowledge needed purification at its source. The sharpened insight that grew with experience did much toward this purification; but the radical agency, the decisive revolutionary agency, came at length in the form of experimentation. Simple observation is incapable of disentangling intricate phenomena, and of discriminating with precision the several agencies and their varying results. Even when it discerns the agencies, the complexity of the combinations baffles all efforts to evaluate the measure and degree of their participation. In the varying degrees of participation of causes lies perhaps the greatest peril to safe conclusions.

But by the devices of experimentation, each factor may be disentangled from its complex associations and made to reveal itself in its simple and naked reality. Experimentation, by its creative processes, opens a new world of observation, a world devised and controlled solely for the disentanglement of truth. The new potency thus added to observation and induction gave birth to modern science. By its aid the mass of crude facts previously gathered were purified and perfected and increased by manifold additions. Upon this relatively pure, solid truth a trustworthy superstructure was built by the inductive method. But even the inductive method, potential as it is, would have fallen short of trustworthy results were it not furnished with facts verified by searching experimental tests.

Out of devotion to these surer processes there has grown a distinct mental attitude — the scientific spirit.

CHARACTERISTICS OF THE SCIENTIFIC SPIRIT.

It has for its supreme attribute a controlling love of determinate truth; not truth in a vague mystical sense, but rigid solid knowledge. It is a thirst for facts and the immediate and necessary inductions from facts. It is a pervading desire for actualities, stripped of imperfections, and quasi-truths; stripped of mists and fogs and veils of obscurity and set forth in their pure naked simplicity. It is a zeal for uncolored realities. But it is not merely an affection or an enthusiasm, easily satisfied with what may come in the name of truth. It is a scrutinizing spirit, whose hatred of falsity is as great as its love of truth. One of its first steps is to demand the credentials of whatever offers itself for acceptance. If it be an observation, it is to be rigorously verified. If it be a generalization, its grounds are to be severely questioned. If it be a synthesis, the strength of every part is to be searchingly proved. If possible, the crucial tests of experimentation are to be brought to bear upon it. In the architecture of science, every beam is to be tested, every joint is to be put to trial. Conjectures, assertions, opinions, current impressions, preconceived notions, accepted doctrines, all alike are pushed aside to give free scope to untrammelled induction from carefully sifted evidence. The supreme endeavor is to present a disposition of fairness and openness to all evidence and all inductions. Whatever evidence demands, that it accepts. Whichever way the balance of evidence inclines, to that it leans. There is no resistance to the leadings of evidence, there is no pressing of evidence to give it greater or less than its intrinsic weight. All lines of inquiry are pursued with equal zest. All phenomena are welcomed with equal cordiality. The mind opens itself on all sides to every avenue of truth with equal impartiality.

When demonstrative realities are brought forth they are embraced to the exclusion of all else. They displace all preconceptions, all deductions from general postulates, all favorite theories. The dearest doctrines, the most fascinating hypotheses, the most cherished creations of the imagination or of the reason are cast aside that the new light may freely enter and illuminate the mind. Previous intellectual affections are crushed without hesitation and without remorse. Demonstrative facts are placed before reasonings and before ideals, even though the reasonings and the ideals seem, from previous bias, to be more beautiful, to be more lofty, yea, even though they should seem for the time, until the clearer vision come, to be truer. That which at the first seems absurd, that which for the time seems impossible, still oftentimes proves to be true in the light of a rectified vision of real relations. And so, the scientific spirit prompts to the acceptance of duly determined facts however they may accord with preconceived standards.

This is indeed an ideal attitude. No one fully attains it. But it is the true standard of endeavor.

Lest we part company later on, by reason of the diverse senses of the terms science and philosophy, may we not agree that, preferably, science and philosophy are defined, not by their subject-matter, but by their own inherent natures. Science—shall we not agree—is not inherently physical nor is philosophy metaphysical. Determinate organized knowledge of physical things is no more science than equally determinate organized knowledge of mental or moral things. The inductive method applied to Latin or Hebrew, of which an illustration is not far to seek, gives results as properly scientific as when applied to natural history. Demonstrative results in ethics or religion are as truly scientific as like results in chemistry. So, on the other hand, shall we not agree that psychology and kindred subjects are no more entitled to monopolize the grand term philosophy than are physical subjects the equally grand term science? Psychology may be made as much a science as a philosophy, and physics may be made as much a philosophy as a science; theology may be treated from the scientific standpoint, and geology from the philosophical.

I shall assume, if you agree, that science is a function of every subject of inquiry and that philosophy is a coördinate function, and that even speculation is not without a part to play. They are coördinate factors of research. Science may be symbolized as the intellectual *terra firma* on whose relative fixity we rest; philosophy as the vitalizing atmosphere by which intellectual life is engendered and stimulated, and speculation as the thin air of the upper regions.

The realms of intuition and revelation lie without and beyond my theme.

THE DEMATERIALIZATION OF MATTER.

It is not strange that, at the first, scientific endeavor should have found its most fruitful fields among physical phenomena. These, by their declared natures, their uniformity of action, their adaptation to sharp and positive observation and their subservency to experimentation afforded the most responsive soil for the growth of science in its youth. The physical, by its unswerving loyalty to the ordinances of its nature, first, among mundane agencies, effectively taught unswerving fidelity to the rigid laws of fact. It was our first rigid schoolmaster. The corporeal function has always, I believe, been an effective element in early training.

The most significant and prophetic fact in the history of material studies is the tendency to the dematerialization of matter. Starting with the common notion of the fixity, inertness, and passivity of matter, it was discovered, step by step, that activity was a more and more pervading and potential characteristic of all forms of matter, from the atom to the falsely-fixed star. It was early discovered that some of the very elements of fixity were but expressions of motion. The gyroscope was a key that unlocked a wondrous treasure-house of hidden truth. As research advanced the functions attributable to motion grew in recognition, and the functions attributable to fixed solid matter diminished, until the greatest living English-speaking physicist felt warranted in advancing a kinetic theory of matter; a theory which almost completely eliminates matter as ordinarily conceived, leaving only an ulterior, fluidal, ethereal entity—for I scarcely dare say matter—which has become a basal concept in modern ultra-physics. Vortices of intense, incessant, irrotational motions are conceived to be the real units of physical phenomena. Towards this view, evidence and opinion seem tending. It is not demonstrative, but it seems a prophetic vision in the line of coming truth. And so it appears but a prolongation of intellectual perspective to anticipate the entire elimination of the current view of matter as a true concept, and the substitution therefor of inconceivably intense activity in a basal entity whose characters are just beginning to disclose themselves. Certain at least it seems that the future concept of matter must have as its central factor inexpressible intensity and refinement of activity. Certain it seems that a picturing of the real constitution of matter must be antipodal to what we have inherited, must awaken higher sentiments and call forth the utmost resources of the true imagination. If the aspiring student seeks a field in

which to test the utmost powers of his imagination, let him struggle with the latest conceptions of the great physicists and chemists. After his wrestlings with these, let him turn to some of the creations popularly deemed wondrous products of the imagination, and he will find them restful.

The common view of matter is not unnatural nor unwholesome, as a working *human* view. By a provision which looks to our well-being our practical view is a relative one. We see things as they are related to us. That which does not change its relations to us is fixed. That which does not yield to us is rigid. That which makes for our welfare is good. That which makes for our harm is evil. That which is dangerous to us becomes in general repellant. Our natural sanitary instincts are based on this. The law is not perfect in specific application, but it has been our salvation through the ages of our ignorance and indifference.

But while these lower relative views are, as yet at least, indispensable, it is the function and the mission of scientific investigation to lift us to higher and more altruistic views of the constitution of things, views in which the refinement of reality shall displace the narrower conceptions of personal and racial bias, views more in accord with a lofty conception of creation.

BIOLOGICAL INVESTIGATIONS.

On the eve of an event whose interest compasses the world and engages our common endeavors and highest expectations, and yet confronted by a possible microbial invasion that may turn our hopes into disaster, an invasion that has once reached the very harbor of our metropolis and there been stayed by resources just gained from research, there is no need to discourse upon the present or the future mission of biological inquiry. If we pass by all the deeper scientific and philosophical results that spring from the study of this vital field, as I fear we must, we cannot, in the face of this epoch-marking triumph of science over an occult enemy, fail to realize the value in life and in treasure of assiduous research in fields that seem far removed from our immediate interests; for microscopic studies of minute life seemed so at the beginning. In view of the incalculable sufferings to be saved, the millions of lives to be prolonged through bio-pathogenic knowledge, what consequences hang upon these potential inquiries! When the delay of a single year means the hastened death of thousands, how great the responsibility of public and personal attitude toward such investigations! It is too much to say that the warfare that has delayed the advance of science has slain its tens of thousands while Mars has but slain his thousands?

HISTORICAL INQUIRIES.

By the scrutiny of the autobiographical record of the earth, the vista of its vast history has been widely opened; a vista stretching back a hundred million years, or more, or less. Down through that vista we view, in broken fragments, the great procession of physical events, the greater procession of organic development and the environing conditions in which were implanted the germs of that history of which we are a part and which commands our supreme interest. Earth history and organic history and human history are but parts of the great stellar and the still greater universal history. The opening of the vast perspective in time, the opening of the vast field in space, the opening of the vast realm of organic life have given amplitude to the considerations that affect human history. The mission of each is to amplify and illuminate the other, and to amplify and illuminate our whole conception of historical procedure. The spirit of inquiry in each and all is one spirit, and the methods have common factors. They all rest chiefly on critical observation and induction. Wholesale experimentation is beyond their reach. In astronomy it would take too much space. In geology it would take too much time. In human history it would take too many people. But experimentation upon the factors that enter into them is indispensable.

In human history, however, volition and emotion enter the field and give it at once transcendent importance and transcendent difficulty.

SCIENCE AND VOLITION.

The application of the scientific method to human affairs has been greatly retarded by the impression that volition so far destroys uniformity of action as to render scientific determinations impossible. With complete inconsistency resort has therefore been taken to theoretical methods, in neglect of the fact that if there is no uniformity of action, if no determinate data are possible, reasonings are of no avail. There must be a basis of determinate fact before there can be any safe conclusions, however logical the intellectual processes may be. If volition is conformable to laws and conditions then the determination of these becomes a choice field for scientific work. If it is not so conformable, it is still the function of scientific inquiry to determine the extent and character of the irregularities and uncertainties of its action, that these may be discounted in all forecasts involving them.

Granting liberty of choice—and personally I not only grant it but claim it—will it so affect the grand average of choices as to destroy the groundwork of social and economic laws? If the molecules of the

air had wills, and one pushed down, some other one would doubtless be pushed up in compensation. In a basket of eels, if one wriggles up the rest slide down and the basket goes on to its destiny without deviation. The choice of one individual prompts choices by others and these may be coincident or compensative. Choice in one direction often prompts choices in the opposite, and the total result is uninfluenced. Or, conditions may make choices run rigidly in the one direction and give as fixed uniformity, as in physical phenomena. Put before a million typical Americans the choice between a quarter and a dime and rigid uniformity of results may safely be predicted.

The actual effects of volition therefore in human affairs are things to be determined, and invite the same rigid experimental tests that are found necessary in simpler physical phenomena. Indeed, the greater complexity and the greater importance of the phenomena to us invite even ultra-scientific measures.

THE NEW HUMANITIES.

Naturally enough, the advances of the scientific method in the great field of humanistic phenomena have borne a close ratio to the physical element involved. In economics, where the physical factor is large, great advances have been made and its field receives recognition as a definitely organized scientific realm. The spirit and methods of research in it take on the same ethical phase of regard for rigid truth that they do in fields more simple and tangible. From the nature of the case and from the present popular attitude investigation has thus far been largely confined to those experiments which have been ordered with a view to economic interests and not scientific ends. We must doubtless wait some decades yet for the scientific spirit to so far pervade the masses that they will assent to specific experimentation with a view to scientific rather than immediate commercial results. But it is one of the missions of this spirit to bring about that attitude. We must not, to be sure, risk the great concerns of a nation by wholesale experimentation in finance, or tariff, or any radical interest. But this is unnecessary. The ingenuity of biological investigators has taught us that the effects of very dangerous expedients may be proven without risking valuable lives. It is possible, I think, to settle conclusively such a question as the great tariff problem by strictly scientific experimentation without incurring any serious financial or individual risk; indeed, without incurring more than a fraction of what we actually hazard by our present method of venturing one measure after another on the simple basis of majority opinion, for the most part, none too intelligent opinion. To illustrate, to merely illustrate,

let there be chosen a dozen or a score of minor industries suited to the trial. They should be subordinate industries to avoid endangering general interests. They should be distributive in nature to avoid burdensome effects upon particular classes. They should be simple industries, that the results may not be obscured by complication. Let the selected industries be divided into two classes, equal in number, and as equable in nature, as practicable. Let each class be subjected to two periods of experimentation, equal in length but opposite in phase, *i. e.*, let purely protective measures be applied to one group for the first period, and purely free-trade measures applied to the other group during the same period, and then reverse the measures mutually during the second period. The periods should be sufficiently long to adequately develop the distinctive effects of the measures. These periods should be predetermined rigorously and left unmolested. Special means should be provided for as exact determination as possible of all factors that enter into the experimentation and all the results that spring from it. These should then be scrutinized with all the rigor that characterize difficult physical or biological experimentation. From a series of tests of some such sort as this,—for I note again that this is rather an illustration than a matured plan of experimentation,—there would be derived a solid groundwork of determined fact upon which broader measures might be developed with surety and safety. Doubtless, as remarked, the scientific spirit will have to grow somewhat among the people before they will be ready to institute such a natural and rational method of dealing with our great political questions. But the growth of this spirit will doubtless reach that stage by and by, and, when it does, some features of the millennium will have arrived. What a moral transformation will be wrought in our political atmosphere when our parties calmly submit their doctrines to the fiery crucible of experimentation in lieu of the forensic heat of the political platform. In the balance of real worth, how many thousand political debates would be required to counterbalance a single well conducted scientific trial.

Sociology, perhaps the youngest and loveliest of all the sciences, because it embraces the factors of love, sympathy, and charity, seems to have accepted as its natural inheritance the methods and spirit which make for the purification and rectification of knowledge. Nowhere is the winnowing process more requisite than in this field and nowhere at length will the results be more fruitful. The excellent paper to which we listened here a few weeks ago on "Chicago as a Sociological Laboratory," breathed the true spirit of

science, and suggested its true methods and mission. But experimentation under complete control is as necessary here as elsewhere. In a quiet and prudent way experimentation is being attempted here and there as opportunity is afforded. But ampler means are needed. The biologists have taught us how important it is to have appropriate forms of life under complete control. But where shall our subjects be found, and where our right to use them. The answer is not far to seek. Those who have lifted their hands against the common good in violation of law have not only forfeited their rights, but owe to society some recompense for the evil they have done. Let them be given over to experimentation in any department in which it will shed light on the nature of man from the physiological, through the sociological, to the psychological.

One of the most notable indices of progress in recent decades has been the development of experimental psychology—the endeavor to introduce into the most occult and intangible of all fields perhaps, of the purely human kind, the element of precise and positive determination. Whatever may be thought of the possibilities of reaching the ulterior recesses of mental phenomena, the endeavor to explore the field as far as may be by determinate methods promises the choicest fruitage, even though the fruitage for a time may not be large and though it ripen slowly. Not the least of its functions will be the cross light it will throw upon psychological philosophies built upon data derived from other sources.

PHILOLOGICAL RESEARCH.

The field of philology has long been an acknowledged realm of determinate knowledge, a double knowledge, a knowledge of its immediate subject-matter, language, and a wide-ranging knowledge of human concerns of which language is the repository; and over all, the aroma of literature sheds its fragrance. The scientific spirit and the inductive method have found here a congenial field, and have brought forth grateful fruitage. Systematic experimentation to determine precisely the efficiency of different verbal forms and constructions in expressing thought and feeling and their relative fitness for use in language yet awaits development. We know the percentage of efficiency of an engine in delivering the potential energy of the steam supplied it, but we do not know the percentage of efficiency of verbal constructions in delivering the thoughts and emotions that seek expression. The extreme difficulty of such a determination is obvious; so is its importance as a step toward the improvement of language as a means of expressing thought. Resourceful as our language is, it has greater possibilities. Its many

defects need removal. But its improvement is hampered by bonds of conventionality. Even a healthy growth is greatly embarrassed by present conditions. The illiterate classes take unwarranted liberties with it. To suppress their lawlessness we rigidly enforce the conventionalities of the language, with little regard of their merits, upon all who would be esteemed cultured. We are much like the czar. To restrain the rude tribes, we impose rigorous imperialism on all, regardless of the good that might spring from liberty among the worthier classes. But with the development of a more nearly universal culture we may hope that the reign of imperial conventionality in language shall have passed, and that by that time the spirit of inquiry will have shown us by experimental demonstration the ways and the means and the laws of the best growth, and that then the spirit of progress will "loose the bands of Orion," and let our language go free.

SCIENCE AND THE EMOTIONS.

It appears to have been tacitly assumed that the realm of the emotions lies beyond the reach of the scientific method; and yet there is no dissent from the proposition that the emotions are the moving power in human action, the steam of the human dynamics. It would seem that the great dynamic agency of human action is as fitting and worthy a subject of searching scientific inquiry as the great mechanical agency of the day. If it is urged that the emotions are not controlled by conditions nor guided by law, then this should be put to the test of specific demonstration. Should it prove a fact, then the function of scientific inquiry is merely changed to an effort to determine just the form and measure of irreducibility and uncertainty; that the hazard of actions dependent upon the emotions may be known somewhat as the death-hazard is known to the actuary. Is it urged that this is impossible, chimerical? Lions of impossibility have lain all along the path of science from the beginning. In the face of these the scientific spirit heeds but one injunction; the same that was laid on the hesitating host on the verge of the Red Sea, GO FORWARD!

Literature, music, and art, among cultural subjects, best express the emotional. The application of the scientific method and spirit to literature is already a most gratifying, epoch-marking fact. Among many others, it finds a notable expression in the systematic treatment of literature, even the Scriptures, from the distinctively scientific point of view by a distinguished colleague. Not only is the terminology of science employed, but the spirit and method of science permeate his whole treatment with vivifying, fascinating effect.

Not only do the form and substance of literature invite scientific study, but its very essence and flavor. The fragrance of the flowers and the harmonies of music have yielded much to research. Shall not the aroma of literature? Can the highest and best of anything that is really good be compassed until the fullest and purest truth available has shed its light upon it?

The scientific spirit has a moral function to perform in the creation of coming literature. The growth of precise knowledge, the love of pure truth it enkindles, and the truer views of the constitution of things it brings, cannot be without their profound effects upon literary tastes and literary productions. Great thoughts cannot be wide the truth of their age except they be in advance of it. Grand literature cannot be builded upon the abandoned conceptions of the past. The advances of science have therefore wrought radical changes in the subject-material of current and coming literature. In the mythical realms in which the literature of the free imagination has found much of its favorite material, this advance has been destructive, and the ruin it has wrought may cause a tinge of regret until the higher gifts it brings are realized. By increased knowledge of what lies below us, that great realm of nether darkness and Plutonian imagination, the interior of the earth, has been despoiled of its caverns and demons, its shades and its punitive functions. Geology has dispossessed Hades. A great field of gloomy imagery has gone. Dante's *Inferno* is a literary phenomenon that will never recur. The soul will not be enkindled by that which is known and felt to be wholly neglectful of fact, even though a truth be symbolized by it. The interior of the earth has been transformed from a dark cavern of weird imaginations into a prosaic aggregate of rock and water and central heat. The scientific imagination will develop upon its appropriate literature, but it is forever lost to mythological fantasy.

On the earth, the whole category of ghosts and witches, of demons and dragons, of elves and fairies are gone, and the literary function they subserved is destroyed. The Hamlet of the future may have its Hamlet, but not its ghost. Birnam Wood to Dunsinane may come, but witches will not conjure up a prophesying apparition.

Astronomy has swept away the mythic heavens and destroyed still richer and brighter fields of imagery. Aurora and Phœbus and the crystalline sphere are gone. The curtains of the heavens have been folded up and laid away as the garments of our children; as things loved but outgrown. Olympus is gone. Milton's cosmos equally with his chaos is only a picture

of the past. The richest imagery of all past literature has lost its power save as a glory of the past. And this simply because it was not true. The heavens are not as they were imagined. The beauty of thought does not make it true. The loveliness of thought does not make it immortal. Only the true is enduring. We shall still love these literary myths as marvelous products of days and conditions that are gone. They rightly teach us as all past life productions teach the appreciative soul. Rightly viewed their value is even heightened by the very fact that their day is gone to return no more. The bone that lies in the gutter is matter for the scavenger. The bone embedded in the Cambrian shales is beyond price. And so it is with the literature that marks the evolution of the thoughts and feelings of the ages. As products of the past their value is beyond estimate. As factors of present and future creations they have lost their potency.

But though, thus within the earth and on the earth and in the heavens, science has been a destroyer of literary fields, by the same act a new heavens and a new earth were created. New fields and new functions for literature were brought forth. When the new heavens, pictured by a true imagination in lieu of a wild fantasy, shall become as vivid in realization to the scientific generation that is coming as the old heavens were to the generations of the past, they will be as rich in literary possibilities as those that are gone; nay more, they will be richer by as much as the truth of a creation of the Infinite is richer than the fantasy of the human mind. Just now we stand between the wreck of the past and the growth of the future. Our thoughts and sentiments are not yet cleared of the debris of past concepts nor have they yet taken up in their fulness and beauty the actualities and possibilities of the present and the future. The significance of the face of the earth we do not read as we will come to read it. The depths of the new heavens we do not fathom as we will come to fathom them. The refined light thrown on other fields does not yet inspire us as it will come to inspire us. Our souls do not yet throb at the touch of the new soul of the new universe. When the richer and deeper truths that lie in all these spheres shall have permeated our common thought and awakened responsive sentiments, they will form the ground of a literature more rich and more enduring than any they have displaced.

The tendency of literature in response to the more youthful tastes of mankind has been towards exuberance of expression, contrasted coloring, intensification, idealization, sacrifice of truthfulness for effect. The spirit of science demands the sacrifice of every-

thing for the truth. The ethical as well as the literary discipline which this involves is among the most chastening to which man can subject himself. This discipline has already made itself felt measurably upon the tastes of the cultured classes although we are yet but in the dawns of the true scientific period. There has been a slow but steady growth of taste toward a more and more complete adherence to uncolored truth in literature. The maturer taste into which man is growing will be satisfied with nothing less than a wrestling with the realities of life and the realities of truth. The mission of the scientific spirit is the same in literature as in knowledge—purification in the interest of truth.

RELIGIOUS PHENOMENA.

No phenomena are more remarkable, even if viewed simply in respect to result-producing potency, than those of ethics and religion. They therefore invite the most thoughtful study in the most truth-regardful

spirit. Their high character, their special data, and their deep importance add manifold emphasis to this. The more sacred the field of thought, the more imperative is the obligation to enter upon it chastened by the discipline of rigid truth, possessed by the highest candor of spirit, and inspired by an absolute devotion to truth. If the truth be here more sacred than elsewhere, the more sacred is the duty that unalloyed truth be discovered and the more assiduously it is to be sought. He who would here restrain the clear, penetrating, chastened vision that seeks the truth alone is he who would shut out the purest light from the most vital concerns. He who seeks out and sets forth pure light here is the highest exemplar of the spirit we urge. No beacon light ever shone forth more benignly as a hope and guide than does that candid truth-reverent spirit which finds expression in the great master-students of religion who ennoble our age.

THE QUARTERLY STATEMENT OF THE PRESIDENT OF THE UNIVERSITY.

For the Quarter Ending April 1, 1893.

Members of the University, Trustees, Instructors and Students:

The purpose of the Convocation has been declared to be three-fold:

"1. To furnish an opportunity to bestow the proper award for work accomplished, and to dismiss with all the honors which the University can confer those who have shown themselves worthy of such honors; and on the other hand to receive to the privileges of the university those who have shown themselves prepared to take advantage of these privileges.

2. To furnish an opportunity to look back for a moment over the months of work completed, in order that an estimate may be formed of the progress made or, if such it be, of ground lost. And on the other hand to look forward to the opportunities and the necessities of the future, to note and select for effort those opportunities which seem most promising.

3. To bind together into a unity the many complex and diverging forms of activity which constitute our university life and work, and thus united, to stand before the public in a way to show our appreciation of its good-will and at the same time to show, if it can be shown, that we in turn are deserving of this same good-will."

What is there to be said to-night in reference to the condition of the University? With your permission I shall present briefly some of the more important matters connected with the history of the University dur-

ing the three months which have just closed. These months have been full of work and full of interest.

GENERAL ORGANIZATION.

In order to secure the efficient administration of those departments of work in which the university as a whole is interested, the trustees have established certain University Boards, one for the administration of the University Press, one for the administration of the libraries, laboratories and museums, one for the administration of the work in Physical Culture and Athletics, and one for the administration of the affiliated work of the University. Each of these Boards consists of five or more members selected from the faculties. The work of each board will be supervised, in general, by the Council and the Senate.

The Faculty of Arts, Literature and Science, a body composed of nearly one hundred members, has secured from the Trustees permission to establish four sub-faculties or boards, to each of which is committed the responsibility for the administration of a certain division of the work of this faculty. These are:

1) The board of Academic Colleges, which has the charge of students in the first and second years of the college work.

2) The Board of University Colleges, which has the charge of students in the third and fourth years of the college work.

3) The Board of the Graduate School of Arts and Literature.

4) The Board of the Ogden (Graduate) School of Science.

The establishment of the Ogden (Graduate) School of Science, and the appointment of a special board for its administration, fulfils the pledge of the University to the Executors of the Ogden estate. To this Board is committed the care of all the graduate work in the various departments of Physics, Chemistry, Geology, Biology and Astronomy.

At the request of the head of the Department of Biology, this department has been re-organized into five distinct departments, namely, Zoology, Botany, Anatomy, Neurology and Physiology.

By the action of the Board of Trustees, Visiting Committees have been established for the various departments of university work. It is hoped that through these committees a large number of influential men and women may be brought into close and direct connection with the university.

THE DIVINITY SCHOOL.

Of the seven hundred students enrolled in the University during the past quarter more than one-fourth have been registered in the Divinity School, and of the one hundred and ninety-six thus registered, about two-thirds have been graduate students. These for the most part are Baptists, just as the divinity students of Yale University are for the most part Congregationalists. But there are among them representatives of many of the leading denominations; for example, Congregational, Methodist, Presbyterian, Reformed Episcopal and Christian. Students of every denominational faith are heartily welcomed, and it is believed that the representation will grow wider with every year.

But the work of the Divinity School is hampered because the number of students is larger than can be well cared for by the Faculty as now constituted. The entering class in the American division has been this year between fifty and sixty; so large, indeed, that it has been necessary to carry required work in two divisions. It now seems certain that next year's class will be still larger. What, in view of these facts, shall be done? Shall a limit be placed upon the number to be admitted?

Another difficulty confronts the members of this Faculty. While it is agreed by all that the first aim of the work in the Divinity School is to prepare men for the work of the ministry, it is believed that an important feature in this preparation is the cultivation of a spirit of scholarship. It must be confessed that the methods employed in theological instruction in America have not been entirely successful in this

respect. The methods employed, if I may be permitted to say it, have in most institutions compelled superficial work. To require of men an equal amount of work in five or six widely separated departments; to force them through a curriculum as rigid as that of the old-fashioned college, has made it impossible for many men to be scholarly. In our Divinity School, before it became a part of the University, the methods and the spirit of the University had been adopted. The curriculum had been arranged to allow men at least the opportunity of doing thorough work in a chosen department. Research and investigation had been encouraged, and it was then the privilege of what is now the Divinity School of the University to be a leader in this forward movement. No Faculty has been more ready to adopt new methods, or more ready to adjust itself to the demands of the times. The Faculty is able and strong; it is also courageous. Steps have already been taken forward; but there still remains steps to be taken. The elective privilege should be still more largely introduced, and together with this, a restriction which shall require men to select one, or at best two, subjects in which their chief work shall be done. The facilities for research and investigation should be increased. The effect of this policy will be to give a ministry more efficient and at the same time more learned. The further development of these ideas will mark an era in the history of theological education and will remove the reproach which, in some quarters at least, has been well merited. Is it too much to expect that in Chicago, which has become the greatest centre in the world of theological instruction, the influences may be set at work which shall bring about this desired consummation?

THE BUILDINGS.

One of the many sources to us of inspiration is the rapid progress seen on every side in the work of building. The severity of the winter has greatly retarded this work, but in spite of the severity it has proceeded.

Snell Hall, intended for young men, is nearly finished, and within two weeks will be occupied, not by those for whom it was intended, but with their consent, by the young women who during the year have resided in the Beatrice. Kelley and Beecher Halls, intended for young women, are promised by June first. The foundations of Foster Hall, a third building for women, are now being laid, and by October first this, the corner building of the women's quadrangle, will be completed. In these three halls provision will be made for 150 women.

The Kent Chemical Laboratory is now almost completed, and when finished will be the best equipped laboratory in the country. The Ryerson Physical Lab-

oratory is under way, and will be ready for occupancy without fail at the opening of the autumn quarter.

In view of the division of the biological department, it now seems better to plan for four smaller, separate laboratories rather than for a single large one. If this suggestion is carried out, distinct buildings will be provided for zoology, botany, anatomy and physiology, and in this case, work upon at least one of the four should begin as soon as the plans can be prepared. Such a group, with a central auditorium and library, will be something unique in architectural design, and will prove of the greatest advantage to the departments concerned.

But, shall the departments of science have all the laboratories? The word "science" is very broad, and scientific work, as well as scientific methods, may not be restricted to the physical and biological sciences. The university surely has done much for the sciences, so-called, yet from the beginning it has declared itself a champion of that kind of education which some to-day perhaps call old-fashioned, but which, in the opinion of those who have organized the University, furnishes a broad culture, a strong and firm foundation for mental strength and character. Situated as we are, in an atmosphere intensely materialistic, it is incumbent upon us to lay special emphasis upon the humanistic side of education. Shall we, then, slight the more practical, the technological side? No, but let us have a technological work based upon a foundation of broad culture. Let the specialist in engineering, as well as the specialist in political economy, build upon something which shall serve him well at every turn of life. And so laboratories must soon come for the classical departments and for the several departments connecting themselves with that of history.

There is a place set apart on the campus for a group of literature buildings—a group of four, with a fifth building to serve as a common auditorium. These four will be dedicated, one to oriental literature and archaeology, a second to Greek literature and archaeology, a third to Latin literature and all that may be connected with it, and a fourth to modern literatures. These buildings, although not laboratories in name, will be laboratories in reality. In each hall the student will see about him only that which is characteristic of the subject to which it is devoted. We cannot wait long for these halls to be erected. They are greatly needed.

THE ACADEMY.

Progress is being made in the University's experiment at Morgan Park. I say experiment, for, with all deference to the academy work of the West, the effort to establish an academy of first rank is an experiment. Unless rigid examinations are required for admission to

the Academy, and unless restrictions are of such a character as inevitably to shut out twenty-five to forty per cent of those who seek and obtain admission, an academy of first rank cannot be maintained. This is the policy which has been adopted in the Academy at Morgan Park. It remains to be seen whether we shall have the courage to continue it. The work of the Academy will be continued through the summer quarter, and in connection with the provision made for students of academic grade, opportunity will be given teachers in high schools and academies to study our methods and our work.

THE AFFILIATED WORK OF THE UNIVERSITY.

The work in our affiliated institutions has gone on quietly, and in a large measure satisfactorily. The special problems which have arisen will now be considered by the new board appointed for this purpose. It is of interest to note that of the last two institutions which have applied for affiliation, one is situated in the State of New Jersey, and the other is controlled and conducted by Roman Catholics.

UNIVERSITY EXTENSION.

In many respects the results accomplished in the University Extension Division have exceeded all expectations. The number of centres organized, the number of those who attended the lecture-studies, and the general interest manifested have been almost phenomenal. Every effort has been made to restrict the number of organized centres in the city of Chicago in order that the reaction in the coming year might not be too great. Up to this time 122 courses have been given, and these courses have been attended by nearly 20,000 people. It is gratifying to say that the work of the class department is steadily increasing. It is manifest to all that in this class-work, as organized independently or in connection with the lecture-study work, the real results of University Extension are to be looked for. The work is still in its infancy, and no man to-day can tell us the shape or form which it will assume in later years. It is enough, however, to know that by means of it the University is enabled to give intellectual stimulus to many thousands, and, in turn, to receive the sympathy of those thousands in its educational work. The gulf between the University and the masses has grown wider and wider in the years that have passed. There will always be such a gulf, but the future will see it greatly narrowed. We all see dangers in this work of University Extension. It will be a serious matter indeed if our friends make the mistake of supposing that the work thus done is really university work. Would that it were such, but, in the nature of things, this is impossible. Unless in the future a larger proportion of those who attend the lectures do the actual

work prescribed, and take the examinations, there is danger that these lecture studies will partake more of the character of entertainment than of instruction. Until the University Extension audience will consent cheerfully to attend courses of twelve lectures, it being understood that in these twelve no more ground is to be covered than some of our lecturers now pass over in a single lecture, it must be confessed that a high standard has not been reached. But these things will come. The age in which we live is an age in which every intelligent man demands instruction. Who are so able to give it as those selected for that purpose by the University? What agency so well adapted to guide this work as the University? The men who do it must be strong men and cautious; strong in their ability to grasp the subject of which they treat, cautious, lest in the presentation of it wrong impressions be conveyed. I deny that a popular presentation of a subject is necessarily unscientific; some may preach truth in many departments without being technical.

The work of University extension is a great work, and although we may not be able to foretell in detail the form which it will take in the future, it is, I make bold to say, a permanent work; one which will grow in dignity and which will assume an importance larger than many of the educators of to-day conceive possible.

THE UNIVERSITY PRESS.

No part of our university work has attracted the attention of the outside world more than that which is represented in the University Press. The *Journal of Political Economy*, of which the second number has appeared, and the *Journal of Geology*, the first number of which has been published during the last quarter, give evidence of what in time may be expected in other departments. It is a source of regret that the money is not at hand for the publication of work already prepared in other departments. Papers of great value await the necessary means for publication. In this connection, it is a pleasure to announce two gifts; the first of Mr. Henry J. Furber, a gift of fifteen hundred dollars a year for ten years, in all fifteen thousand dollars, to be used as a publication fund for the Department of Political Economy. The other, a gift of one hundred and fifty dollars, to be repeated in succeeding years, from Dr. Emil G. Hirsch, to be awarded for the best paper upon a subject relating to the Department of Semitic Languages and Literature. These gifts are indications that the needs of the University are being appreciated. Such a publication fund could be used to advantage in other departments, and surely there are few departments that would not be willing to accept a donation similar to that which the Semitic Department has just received.

THE ASTRONOMICAL OBSERVATORY.

The world has not yet ceased to express its interest in the good fortune which befell the University when Mr. Yerkes indicated his willingness to establish for it an astronomical observatory which shall be equipped with a larger glass than any that had before been made. The trustees, through their committee, have given much time to the consideration of a site for the proposed Observatory; many places have been visited, many experts consulted, and many consultations have been held with committees. It has been difficult to find a location which would in all respects meet the scientific requirements. More than thirty propositions were received and considered. These propositions in many cases included not only a proffer of land, but in addition sums of money ranging from fifty to two hundred thousand dollars. It is clear to all that inducements of a financial character could not be considered except in connection with localities to which no objection from a scientific point of view could be urged. The great majority of the propositions made were at once rejected because of conditions inconsistent with the scientific requirements. However, after long consideration, the trustees, at a meeting held yesterday, adopted the report of the committee recommending the location of the Observatory at Lake Geneva, Wisconsin, provided that, in accordance with the assurances given, a certain section containing forty-five acres with a frontage of six hundred feet upon the lake be given to the University, or a site equally as satisfactory; and in addition a subscription of one hundred thousand dollars to the general funds of the University, this subscription to be made within thirty days. Two objections were urged against this decision. The first, that it was a mistake to place a great department of the University outside of the state of Illinois. It was found, however, that no legal difficulty was involved, and it was believed by the Board of Trustees that, after all, the objection was not well founded. The University of Chicago is not a state institution. It cannot be confined to the city of Chicago, nor to the state of Illinois, and the establishing of one department of its work in an adjoining state is an additional evidence of its broad spirit and its high ideals. The other objection was that of inaccessibility. This decision demands of our Professors in Astronomy large sacrifice. During the winter months they will be for the most part separated from the outside world. But in the cause of science, who is not ready to make such sacrifices? And since no other place within an equal distance of Chicago satisfied so well the requirements, this objection was over-ruled. It is a fact not without significance, that no place out-

side of Chicago contains a more representative Chicago constituency than Lake Geneva. Here, as is well known, many of our most prominent citizens make their summer homes. It is believed that these men, who are men of large means, will see the necessity, and and at the same time the desirability, of making this observatory, from the scientific point of view, the greatest that has yet been established. It will be possible for them to do this; if it is not done the responsibility will rest largely upon them, for their interest in this department will be greater than that of others in it. The trustees have recognized the responsibility resting upon them in making this decision. During two successive meetings of long duration the subject was discussed from every point of view, and the result of the discussion was, what would have been under ordinary circumstances almost impossible, a unanimous vote. What verdict the succeeding generations may pass upon this decision we cannot now tell; it is sufficient to say that it was reached after due deliberation and honest effort to advance the cause of science. The great telescope is being pushed forward as rapidly as possible and will be exhibited in the Exposition. The plans for the Observatory will now be taken up and the actual work of building will begin at the earliest possible moment.

THE FIVE HUNDRED THOUSAND DOLLAR FUND.

In the founding of a University, three financial steps must be taken before the institution can properly be said to be established: (1) endowments must be secured, the income from which will defray the cost of instruction, since students' fees are sufficient only to meet the incidental expenses, (2) the site and buildings must be provided, and (3) funds must be secured to defray the exceptional expenses of the opening years and to provide the general equipment—books, apparatus, furniture, etc.

The first two of these three steps the University has taken. The most hopeful beginning has been made toward this endowment through the unparalleled liberality of Mr. Rockefeller, and the campus with a group of noble buildings has been provided through the beneficence of the people of Chicago. So much has been done in these two directions and in so short a time that it will not be a question of surprise that the third step has not yet been taken. It remains to provide for the general equipment and the special expenses of the opening years before the University can be regarded as in any sense established.

The trustees have not lost sight of the importance and necessity of this third great step. A year ago they undertook to provide at the same time buildings and the general equipment in the raising of a million

dollar fund, but when the struggle of ninety days was over it was found that while a full million dollars had been raised for the buildings which are now rising on the campus, less than twenty thousand dollars had been secured for equipment and general purposes, and the third step in the founding of the University remained still to be taken. Nor was this all; the large success that had attended the efforts to increase the endowments and provide the buildings had immeasurably increased the magnitude of the work that remained to be done, and had rendered the doing of it more imperative and more immediately urgent than ever. The University, with four millions of endowment ensured to it for instruction and with the corresponding number of instructors and departments, needs a much greater equipment than an institution with half that endowment. When the University had secured twelve or fifteen great buildings it needed a much larger equipment than when it had but two or three buildings assured; and so the work to be done grew greater the longer it was delayed until it became apparent that half a million was the smallest sum that would meet the necessities of the cause. How could so great a sum for miscellaneous purposes be secured? For a time the trustees confronted the increasing difficulties of this problem with great anxiety. No ray of light was thrown upon its solution until sixty days ago, when Martin A. Ryerson, the President of the Board, added to his previous benefactions the proffer to give \$100,000 on condition that \$400,000 more could be secured. It was hoped and so stipulated that this sum, great as it is, might be found by the first of May. When the effort came to be made, a cordial feeling of interest and sympathy everywhere met us. This made the work of solicitation pleasant and hopeful. But on the other hand it was seen that at this season of the year large numbers of those who must be depended upon for help were absent from the city, and the sudden stringency in the money centres of the country, serious for a time though believed to be temporary only, not only made the work difficult, but for a brief period brought it to a stand. Under these circumstances, Mr. Ryerson felt that the limit of time to complete the raising of the half million dollars should be extended, and to the gratification of those engaged in the direct work of securing the subscriptions, he has consented to change the date for the completion of the effort from May 1st to July 1st. How much up to this time has been secured upon the \$400,000? The answer to this question is not as encouraging as we might wish it to be, yet a hopeful beginning has been made and more than \$50,000 has been definitely pledged,

while much work has been done, the direct results of which cannot be known until later. It is without doubt true that this effort is the most difficult that has yet been undertaken in connection with the founding of the University, and if success is attained, it will be one of the greatest triumphs the University has ever achieved. With the progress already made and three full months yet before us, we shall address ourselves to the task with new courage and increased confidence. The \$500,000 must and will be obtained.

In closing I desire to ask you to join with me in expressing to our friend, Mr. Rockefeller, our appreciation of his interest in university education and of the substantial way in which he has shown his interest and in extending to him an invitation to visit us. Words may mean much or little according to the circumstances under which they are uttered. I ask your consent to telegraph him to-night these words, and I am confident that you will allow me to assure him that they are words from the heart and not merely from the lips.

Mr. John D. Rockefeller, New York City :

Assembled in convocation, the instructors, students and many of the friends of the University send you greeting. For the opportunity you have placed within our reach to give instruction and to receive it we are grateful. We cordially unite in an invitation to yourself and family to visit the institution founded by your beneficence.

For the University.

WILLIAM R. HARPER,

The President announced the following Scholarships and Honors.

Entrance Examination Scholarship.

In connection with March Examinations, to William E. Walling.

Honors for Excellence in Examinations for Admission.

In connection with March Examinations, to Allen T. Burns.

*IMPORTANT OFFICIAL ACTIONS OF THE BOARD OF TRUSTEES,
JANUARY-MARCH, 1893.*

JANUARY 20.

Concerning the "Rust Commons and Dormitories for Graduates," the following letter was read from Mr. H. A. Rust:

CHICAGO, October 4, 1892.

To the Board of Trustees of the University of Chicago.

GENTLEMEN:—Referring to my subscription of Fifty Thousand (\$50 M.) Dollars made to President Harper on July 8, 1892, for application upon and to complete the full sum of One Million (\$1,000,000) Dollars to the funds of the University on or before said date, as stipulated in the offer of Mr. Marshall Field dated April 8, 1892, by which he conditionally donated One Hundred Thousand Dollars, I hereby make request that the aforesaid amount of my donation be appropriated to the construction of a building to be used as a "Commons and Dormitories for Graduates;" said building to be the central structure of the Midway Plaisance front of the southwest quadrangle of the University buildings.

I authorize the Trustees of the University to fix such rental for the occupancy of the said "Commons and Dormitories" as to them may seem reasonable and wise, and I request that the net income derived from said building be applied to the maintenance of four (4) Semitic Fellowships, to be constituted and forever set apart for students in the Department of Semitic Languages and Literatures, under such governing regulations as are now in force, or that may hereafter be adopted by the Board of Trustees.

I have with yourselves a deep satisfaction and legitimate pride in the broad foundations laid for our University, as evidenced by its solid financial status, present advanced physical stage, and the corps of men constituting its Faculty. It may justly be esteemed a high privilege to be in any wise a factor in consolidating and setting in motion the moral and intellectual forces embodied in this University.

Yours truly,

HENRY A. RUST.

This letter, with its proposals and conditions, was accepted by the Board.

JANUARY 24.

Concerning the Ryerson Equipment Fund: The following letter was read from Mr. Martin A. Ryerson, President of the Board:

To the Board of Trustees of The University of Chicago.

GENTLEMEN:—Recognizing the University's need of a large fund with which to meet the exceptional

expenses of its organization, and the pressing demands for general improvements and for an equipment in keeping with its endowment, I propose, in order to assist it in securing such a fund, to give to the University One Hundred Thousand Dollars, on condition that an additional sum of Four Hundred Thousand Dollars be subscribed by responsible persons before the first day of May, 1893, and that all subscriptions be made without other conditions than those herein contained, and be payable, one-half on the first day of May, 1893, and the balance on the first day of August, 1893.

Respectfully yours,

MARTIN A. RYERSON.

CHICAGO, January 24, 1893.

The offer of Mr. Ryerson was accepted by the Board. (Mr. Ryerson has since extended the time for completing the sum to the first of July.)

JANUARY 24.

Arrangements were made for the publication of the *Biblical World* and *Hebraica* by the University Press.

FEBRUARY 21.

The University Press was authorized to publish for the Department of Geology a *Journal of Geology*, to appear six times a year.

Concerning Academy Tuition Fee: The tuition fee at Morgan Park Academy was made \$25.00 a quarter instead of \$35.00 a quarter.

Concerning University Administrative Boards. A board of five, consisting of members selected from the University Faculties, was established to administer the libraries, laboratories and museums of the University; the members of this board to be nominated by the President of the University and appointed by the Board of Trustees; the librarian and the directors of all laboratories and museums to be ex-officio members of the board; the board to sustain to the Senate and Council of the University, the relations sustained to those bodies by the Faculties of the University; the members of the board to hold office for one year, or until their successors may be appointed.

A board of five, consisting of members selected from the University Faculties, was established to administer the work of the University in connection with its affiliated institutions; the members of the board to be nominated by the President and appointed by the Board of Trustees; the director of the affiliated institutions to be ex-officio member of the board; this

board to sustain to the Senate and Council of the University the relations sustained to those bodies by the faculties of the University; the members of the board to hold office for one year, or until their successors may be appointed.

A board of five, consisting of members selected from the University Faculties, to administer the work of the University Press; the members of the board to be nominated by the President and appointed by the Board of Trustees; the director of the University Press to be ex-officio member of the board; this board to sustain to the Senate and Council of the University the relations sustained to those bodies by the Faculties of the University; the members of the board to hold office for one year, or until such time as their successors may be appointed.

A board of five, consisting of members selected from the University Faculties, to administer the work of the Department of Physical Culture and Athletics in the University; the members of the board to be nominated by the President and appointed by the Board of Trustees; the Director of Physical Culture and Athletics to be ex-officio member of the board; this board to sustain to the Senate and Council of the University the relations sustained to those bodies by the Faculties of the University; the members of the board to hold office for one year, or until their successors may be appointed.

It was voted that the President of the University be Chairman of all the aforesaid boards.

Concerning the Calendars of the University: It was voted that the Calendars of the University be issued on the first day of May, August, November and February respectively; each Calendar to contain an historical résumé of the work of the preceding quarter, including the Convocation address, the President's quarterly statement, and the degrees and honors conferred; important official actions passed by the Trustees or by the Faculties; such other historical matter as may be of general interest; the material formerly published in the Calendar to appear in the Annual Register.

Concerning Annual Reports: It was voted that the Annual Reports of the President and other administrative officers be published on or about November 1, and the President be authorized to take such steps as may be necessary to secure from the various Faculties and officers of the University the necessary material, the amount of matter to be limited to four hundred pages.

Concerning Administrative Boards of the Faculty: In accordance with the request of the Faculty of Arts,

Literature and Science, permission was given to said Faculty to delegate at its discretion its powers relating to the enforcement of regulation and discipline, except the infliction of penalties of dismissal and expulsion, to Administrative Boards: these to consist either (1) of all instructors who have students in their courses from their respective schools or colleges; or (2) of twelve members to be nominated from the Faculty by the President; such Board in either case to be appointed by the Trustees, to hold office for one year, and to be subject to the authority of the Faculty. The four boards were constituted as follows, the term of office being one year from May 1:

- (1) The Board for the Administration of the Academic Colleges, to consist of all the instructors in the Academic Colleges.
- (2) The Board for the Administration of the University Colleges:
The President, Chairman; Head Prof. Thomas C. Chamberlin, Prof. Harry P. Judson, Assistant Prof. Marion Talbot, members ex-officio; Prof. Benjamin S. Terry, Prof. Rollin D. Salisbury, Associate Prof. Frank F. Abbott, Associate Prof. Oskar Bolza, Assistant Prof. Francis A. Blackburn, Assistant Prof. Henry M. Stokes, Assistant Prof. Clarence F. Castle, Assistant Prof. Frederick Starr, Assistant Prof. Samuel W. Stratton, Assistant Prof. James H. Tufts, Assistant Prof. Carl D. Buck, Dr. Bert. J. Vos.
- (3) The Board for the Administration of the Graduate School of Arts and Literature:
The President, Chairman; Head Prof. William I. Knapp, Head Prof. H. Edouard von Holst, Head Prof. William G. Hale, Head Prof. J. Laurence Laughlin, Head Prof. Albion W. Small, Prof. William C. Wilkinson, Prof. Harry P. Judson, Prof. Emil G. Hirsch, Prof. Paul Shorey, Prof. E. Hastings Moore, Associate Prof. Charles A. Strong, Assistant Prof. Starr W. Cutting.
- (4) The Board for the Administration of the Ogden (Graduate) School of Science:
The President, Chairman; Head Prof. Thomas C. Chamberlin, Head Prof. Charles O. Whitman, Prof. Henry H. Donaldson, Prof. Franklin P. Mall, Associate Prof. Joseph P. Iddings, Associate Prof. George E. Hale, Assistant Prof. Henry N. Stokes, Assistant Prof. Heinrich Maschke, Assistant Prof. George Baur, Assistant Prof. Jacques Löeb, Assistant Prof. Samuel W. Stratton.

By a later action of the Trustees, this Board was made to include all instructors in the School.

FEBRUARY 28.

Concerning Visiting Committees: On recommendation of the Committee on Organization and Faculties it was voted to appoint visiting committees upon each of the subjects named below, each committee to be nominated by the President of the University and appointed by the Board of Trustees, to serve one year from the first of May; these committees to be requested to keep themselves informed of the aims and actual workings of the several departments, and to give to the Board of Trustees such advice and such suggestions as may seem advisable.

Subjects:—

Philosophy, Political Economy, Political Science, History, Social Science and Anthropology, Comparative Religions, Semitic Languages and Literatures, Biblical and Patristic Greek, Sanskrit and Indo-European Comparative Philology, Ancient Greek and Greek Archaeology, Latin and Roman Archaeology, the Romance Languages and Literatures, the Germanic Languages and Literatures,

the English Language and Literature and Rhetoric, Mathematics, Astronomy, Physics, Chemistry, Geology and Mineralogy, Zoölogy and Paleontology, Botany, Anatomy, Physiology, Neurology, Physical Culture, Library Administration, Social Life of the University, Sanitation of the University, University Extension.

MARCH 28.

Concerning the Astronomical Observatory: It was voted that the Astronomical Observatory to be founded by Charles T. Yerkes, be located on the shore of Lake Geneva, Wis., on condition that a satisfactory site be provided and other conditions fulfilled.

MARCH 31.

Announcement Concerning Gifts: A subscription from Henry J. Furber of \$1,500 per year for ten years, to meet the expenses of publication in the department of Political Economy.

An annual prize of \$150 from Dr. Emil G. Hirsch, for the best thesis on a Semitic subject.

THE WORK OF UNIVERSITY ORGANIZATIONS.

THE UNIVERSITY UNION.

MID-WINTER MEETING, FEBRUARY 11, 1893.

PAPERS:

The Physical Basis of Heredity.

MR. F. R. LILLIE,

From the Biological Club.

The Rocky Mountain Locust and its Ravages in the Northwest. MISS MADELEINE WALLIN,

From the History and Political Science Club.

Chicago as a Sociological Laboratory.

MR. CHARLES W. SPENCER,

From the Social Science Club.

THE PHILOLOGICAL SOCIETY.

All persons giving instruction in any one of the languages in the University of Chicago and any grad-

uate students working in the languages are eligible to membership in the University of Chicago Philological Society. The programmes are arranged by a committee appointed annually, consisting of three instructors in the University and two graduate students. This committee is at present made up of the following members: Professor W. I. Knapp, President; Assistant Professor C. D. Buck, Vice-Pres.; Associate Professor F. F. Abbott, Secretary; Mr. E. H. Lewis and Miss Mabel Banta, of the Graduate School.

PAPERS:

The Clause of Purpose in Sanskrit, Greek and Latin, and in the Parent Speech.

PROFESSOR WILLIAM G. HALE.

The Derivation of the Latin Quoins.

ASSISTANT PROFESSOR CARL D. BUCK.

DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

PAPERS:

General Physiology in Relation to Morphology.

PROFESSOR C. O. WHITMAN.

Some Results of the Galapagos Expedition.

ASSISTANT PROFESSOR G. BAUR.

Review of "Surface Anatomy of the Cerebral Hemisphere."—Cunningham.

PROFESSOR H. H. DONALDSON.

Problems in Cell Theory—(1) *The Nucleus.*

DR. S. WATASÉ.

(2) *Phagocytosis.*

DR. S. WATASÉ.

Protective Resemblance and Mimicry.

DR. WILLIAM M. WHEELER.

Bacteriology in its General Relations.

DR. H. L. RUSSELL.

Problems in Cell Theory—(3) The Cytoplasm and Nucleus.

DR. S. WATASË.

Morphology of the Germ Cells—(1) The Spermatozoön.

DR. S. WATASË.

Immunity from Contagious Diseases.

DR. H. L. RUSSELL.

General Life Phenomena.

ASSISTANT PROFESSOR JACQUES LOEB.

The Position of the Mollusca as indicated by a Study of the Nervous System.

MR. FRANK R. LILLIE.

Nephridia in Annelids.

MR. ALBERT D. MEAD.

Immunity and Practical Results in Therapeutics.

DR. H. L. RUSSELL.

Fixation of Nitrogen by Bacteria and their Relation to Soil Fertility.

DR. H. L. RUSSELL.

Histo-genesis of the Retina.

PROFESSOR FRANKLIN P. MALL.

THE CHURCH HISTORY CLUB.

PAPERS:

Life of Luther to the year 1501.

MR. E. S. STUCKER.

The Intellectual Preparation for the Reformation in the 14th and 15th Centuries.

MR. CARL D. CASE.

The Moral Preparation for the Reformation in the 14th and 15th Centuries.

MR. ALFRED W. WISHART.

Monastery Life in Luther's Time.

MR. I. W. ALLEN, JR.

University Life in Luther's Time.

MR. CHARLES W. BRINSTAD.

The Theses.

MR. FRANK KURTZ.

The Leipsic Disputations.

MR. JOHN A. EAKIN.

Stages in Luther's Theological Development.

MR. CLIFFORD W. BARNES.

THE CLASSICAL CLUB.

PAPERS:

A Trip to Delphi.

PROFESSOR PAUL SHOREY.

Translations from Theognis.

MR. WILLIAM F. BREWER.

The Expression of the Condition contrary to fact in Greek and Latin.

PROFESSOR WILLIAM G. HALE.

Translations from Simonides.

MISS MABEL BANTA.

Interpretations of a Passage in Vitruvius.

ASSISTANT PROFESSOR EDWARD CAPPS.

A Talk on Greece.

PROFESSOR GEORGE H. PALMER, Harvard.

The Latinity of the Younger Cicero.

ASSOCIATE PROFESSOR FRANK F. ABBOTT.

THE ENGLISH CLUB.

PAPERS:

The Use of the Senses in Poetry.

MRS. B. L. MCCLINTOCK.

The History of the Folk-tale of Childe Roland.

MR. OSCAR L. TRIGGS.

English Books in American Libraries.

MR. FREDERICK T. CARPENTER.

Tennyson's "In Memoriam."

MR. EUGENE PARSONS.

The Use of Color in Poetry.

MISS ALICE PRATT.

Tennyson's Treatment of Classical Themes.

PROFESSOR PAUL SHOREY.

THE EXEGETICAL CLUB.

PAPERS:

The Lilerary Relation between the Old Testament and the New.

ASSOCIATE PROFESSOR IRA M. PRICE.

The Historical Relation between the Old Testament and the New.

MR. CHARLES L. PAYNE.

The Old Testament preparatory to the New.

MR. CHARLES W. BRINSTAD.

Precepts of the Old Testament and Gospel of the New.

MR. HARRY HOWARD.

Sacrifice.

MR. E. A. READ.

Priesthood.

MR. THEODORE J. VAN HORN.

The Kingdom of God.

PROFESSOR ERNEST D. BURTON.

Prophecy and its Fulfillment.

MR. RALPH P. SMITH.

Typology.

MR. BENJAMIN F. MARTIN.

Matthew's Quotations from the Old Testament.

MR. EDWIN M. GRIFFIN.

The New Testament, the Culmination of the Old.

MR. CHARLES A. HEMENWAY.

Christianity and the Old Testament.

MR. WILLARD D. BURDICK.

"Son of God" in the Old Testament.

MR. LORAN D. OSBORN.

THE GEOLOGICAL CLUB.

PAPERS:

The Geology of the Sierra Nevada.

PROFESSOR T. C. CHAMBERLIN.

The Faults in the Triassic Sandstone about Meriden, Conn.

MR. HENRY B. KUMMEL.

The Glacial Theories of Croll and Wallace.

MR. JOHN A. BOWNOCKER.

Nansen's New Arctic Expeditions.

MR. S. B. BARRETT.

The Gravel Deposits of the Sierra Nevada.

PROFESSOR T. C. CHAMBERLIN.

The Coal Measures of Missouri.

MR. CHARLES H. GORDON.

On the Trenton Gravel Deposits.

MR. G. N. KNAPP.

A Discussion of a Recent Paper on "Variations of the Under-ground Water-Level."

MR. CHARLES E. PEET.

A Discussion of a Recent Paper on the Age of the Earth.

MR. JOHN A. BOWNOCKER.

Some Physical Features of Massachusetts as shown by the Topographical Maps.

MR. HENRY B. KUMMEL.

THE LATIN CLUB.

Bi-weekly meetings have been held since the first of January, at each of which a portion of the *Tusculan Disputations* of Cicero have been read and discussed.

Membership in this undergraduate club is open to those students who have had at least two Majors of Latin in the University. Its object is to extend the knowledge of Latin literature and to give additional power in reading at sight.

THE MATHEMATICAL CLUB AND SEMINARY.

Cremona: A Figure in Space from which the Properties of Pascal's Hexagon in the Plane are easily deducible.

PROFESSOR E. HASTINGS MOORE.

The Complete Form-System of the Hessian Group of ternary linear homogeneous Substitutions.

ASSISTANT PROFESSOR HEINRICH MASCHKE.

Note on the Divisibility of Numbers.

MR. HARRIS HANCOCK.

On Hölder's Enumeration of all Simple Groups whose Order is not greater than 200.

DR. J. W. A. YOUNG.

An Existence—Proof of the Group of Order 168 as a Group of Substitutions on 7 letters.

PROFESSOR E. HASTINGS MOORE.

Weierstrass: Zur Theorie der aus n Haupttheiten gebildeten complexen Grössen.

ASSOCIATE PROFESSOR OSKAR BOLZA.

A remark of Eisenstein on Invariants.

ASSISTANT PROFESSOR HEINRICH MASCHKE.

Hölder's Proof that a Simple Group of Order 180 does not exist.

DR. J. W. A. YOUNG.

Fuchs's Normal Form for Linear Differential Equations of the Second Order, all of whose Integrals are regular.

MR. HARRIS HANCOCK.

A Note on the Theory of Numbers.

PROFESSOR E. HASTINGS MOORE.

The Transformation of Hyperelliptic Integrals to Elliptic Integrals.

MR. JOHN I. HUTCHINSON.

Kronecker's Determination of all Commutative Groups.

DR. J. W. A. YOUNG.

A Theorem concerning Linear Differential Equations with constant co-efficients.

MISS MARY F. WINSTON.

Fermat's Theorem.

MR. HARRIS HANCOCK.

Gamma Functions of a complex Variable.

ASSOCIATE PROFESSOR OSKAR BOLZA.

Galois' Theory of Imaginaries in the Theory of Numbers.

PROFESSOR E. HASTINGS MOORE.

Gamma Functions of a complex Variable (Second Paper).

ASSOCIATE PROFESSOR OSKAR BOLZA.

A Ternary Algebraic Problem.

ASSISTANT PROFESSOR HEINRICH MASCHKE.

Secular Action of Tidal Friction.

DR. T. J. J. SEE.

THE NEW TESTAMENT CLUB.

This Club has been engaged in the study of Hellenistic Greek Literature.

THE PHYSICS CLUB.

PAPERS:

- The Micrometer; its Preparation and Use.*
MR. M. D. EWELL.
- The Use of the Projecting Lantern.*
ASSISTANT PROFESSOR S. W. STRATTON.
- The Wheatstone Bridge and Comparison of Resistances.*
ASSISTANT PROFESSOR S. W. STRATTON.
- Methods of Comparing Electro-Motive Force.*
ASSISTANT PROFESSOR S. W. STRATTON.
- Test of Some Recent Dry Batteries.*
MR. HOBBS.
- Thermo-Electricity.*
MR. SCHNELLE.
- Double Refraction and Polarization.*
ASSISTANT PROFESSOR S. W. STRATTON.
- Double Refraction and Polarization (Second Paper).*
ASSISTANT PROFESSOR S. W. STRATTON.
- Photography as applied to Scientific Investigation.*
MR. G. A. DOUGLASS.

THE POLITICAL ECONOMY CLUB.

PAPERS:

- The Necessity of Railway Pooling under Governmental Control.*
MR. JAMES PEABODY.
- Taxation.*
MR. FRANK P. CRANDEN.
- Single Tax.*
MR. E. O. BROWN.
- University Settlements.*
MR. EDWARD CUMMINGS.
- The Sweating System in Chicago.*
MR. ABRAM BISNO.
- The Sweating System.*
MRS. FLORENCE KELLY.
- Socialism.*
MR. THOMAS J. MORGAN.
- Socialism.*
MR. THOMAS J. MORGAN.

THE POLITICAL SCIENCE AND HISTORY CLUB.

PAPERS:

- The Probable Liberal Program in the Coming Parliament.*
PROFESSOR THOMAS J. LAWRENCE and
MR. THEODORO G. SOARES.
- The Spanish Intrigues in Kentucky; a Forgotten Chapter in the History of the Mississippi Valley.*
MR. FRANK W. SHEPARDSON.
- An Incident Connected with the Founding of the House of Hapsburg.*
MR. OLIVER J. THATCHER.

Municipal Reform as Related to Party Politics.

JUDGE I. K. BOYESEN.

The Hawaiian Question.

PROFESSOR HARRY PRATT JUDSON.

The Work of the Bureau of Justice.

MR. JOSEPH W. ERRANT.

The New Home-Rule Bill.

PROFESSOR THOMAS J. LAWRENCE.

THE SEMITIC CLUB.

PAPERS:

- Tel-el-Amarna Tablets in the British Museum.*
ASSOCIATE PROFESSOR ROBERT F. HARPER.
- W. Robertson Smith's Religion of the Semites.*
PROFESSOR EMIL G. HIRSCH.
- C. H. Toy's Judaism and Christianity.*
ASSOCIATE PROFESSOR GEORGE S. GOODSPEED.
- Cornuill's Einleitung in das alte Testament, comparing with il Drivier's Introduction to the Literature of the Old Testament.*
PROFESSOR EMIL G. HIRSCH.
- Palestine as a Field for Excavation.*
DR. CHARLES F. KENT.
- The Titles of the Psalms.*
MR. ELJI ASADA.
- Barth's Die Nominal-bildung in den Semitischen Sprachen.*
ASSOCIATE PROFESSOR IRA M. PRICE.
- A Trip through Asiatic Turkey.*
ASSOCIATE PROFESSOR ROBERT F. HARPER.
- A Comparison of the Hebrew and Babylonian Accounts of the Creation and the Deluge.*
MR. LORAN D. OSBORN.
- The Semitic Verb.*
PROFESSOR AUGUSTUS S. CARRIER.

THE SOCIAL SCIENCE CLUB.

PAPERS:

- The Chorities of Chicago.*
REV. C. G. TRUSDELL.
- Associated Charities in Cities.*
MR. NATHANIEL E. ROSENAU.
- The Work of Hull House.*
MISS JANE ADDAMS.
- Organizations of Switchmen.*
MR. FRANK D. SWEENEY.
- The Socialists' Charges against Capitalistic Organizations.*
MR. THOMAS J. MORGAN.
- The Program of Socialism.*
MR. THOMAS J. MORGAN.

CHAPEL ADDRESSES.

The following addresses were delivered at the Chapel Services from October 1, to April 1:

- REV. P. S. HENSON, D.D., Chicago. *The Great Teacher*. Friday, Oct. 7.
 REV. L. P. MERCER, D.D., Chicago. *The Divine Life in Human Form*. Monday, Oct. 10.
 REV. J. H. BARROWS, D.D., Chicago. *Fellowship in Spiritual Life*. Tuesday, Oct. 11.
 REV. W. F. BLACK, D.D., Chicago. *Fidelity to Personal Conviction*. Saturday, Oct. 15, 1892.
 REV. DAVID SWING, D.D., Chicago. *What is Literature*. Monday, Oct. 17.
 PROFESSOR E. G. HIRSCH, The University. *Individual Expression of Universal Thought*. Tuesday, Oct. 18, 1892.
 REV. W. W. FENN, Chicago. *The Responsibilities of the Successful*. Tuesday, Oct. 25.
 REV. W. M. LAWRENCE, D.D., Chicago. *The Student in his Relations*. Thursday, Oct. 27.
 REV. O. P. GIFFORD, D.D., Chicago. *Knowing the Truth*. Monday, Oct. 31.
 REV. C. LOCKE, D.D., Chicago. *Obsta Principiis*. Thursday, Nov. 3.
 REV. S. J. McPHERSON, D.D., Chicago. *Character as a Positive Force*. Tuesday, Nov. 8.
 REV. L. A. CRANDALL, D.D., Chicago. *Greatness*. Friday, Nov. 11.
 REV. A. P. GRAVES, D.D. (Evangelist). *Passion for Souls*. Thursday, Nov. 17.
 PRESIDENT R. H. JESSE, of Missouri University. *Greeting*. Monday, Nov. 14.
 REV. A. K. PARKER, D.D., Chicago. *Friendship*. Friday, Nov. 25.
 REV. H. W. THOMAS, D.D., Chicago. *Results of Culture in Character*. Tuesday, Nov. 22.
 REV. J. R. GOW, Hyde Park. *Character and Modern Life*. Wednesday, Nov. 30.
 MISS JANE MEAD WELCH, Buffalo. *Columbus*. December, 1892.
 PROFESSOR H. P. JUDSON, The University. *Dreibund*. Wednesday, Dec. 7.
 MR. JOSEPH JEFFERSON, Actor. *Bacon and Shakespeare*. Friday, Dec. 9.
 PROFESSOR JOHN C. GRANT, Harvard School. *The Work of the Affiliated Harvard School*. Sat., Dec. 10.
 PROFESSOR T. J. LAWRENCE, The University. *The Statesman Prelate: Stephen Langton*. Monday, Dec. 12.
 PROFESSOR T. J. LAWRENCE, The University. *The Patriot Earl: Simon de Montfort*. Tuesday, Dec. 13.
 PROFESSOR T. J. LAWRENCE, The University. *The Reforming King: Edward I*. Wednesday, Dec. 14, 1892.
 PROFESSOR LEWIS STUART, Lake Forest University. *Education and Life*. Thursday, Dec. 15.
 PROFESSOR C. O. WHITMAN, The University. *The Marine Laboratory*. Friday, Dec. 16.
 MR. E. B. SMITH, Chicago. *The Armour Missions*. Monday, Dec. 19.
 PROFESSOR H. H. DONALDSON, The University. *The Meaning of Effort*. Wednesday, Dec. 21.
 RABBI JOSEPH STOLTZ, Chicago. *There is a God*. Thursday, Dec. 22.
 PROFESSOR T. C. CHAMBERLIN, The University. *Trip to the Sierras*. Wednesday, Jan. 4, 1893.
 REV. THOS. C. HALL, Chicago. *The Personal Equation*. Tuesday, Jan. 10.
 PROFESSOR NATHANIEL BUTLER, JR., The University. *The Place of Christianity in Culture*. Tuesday, Jan. 24.
 HON. WILL CUMBACK, Greensburg, Ind. *Life's Great Conflict*. Monday, Jan. 30.
 RIGHT REV. SAMUEL FALLOWS, D.D., Chicago. *Truth*. Wednesday, Feb. 1.
 PROFESSOR J. C. LITTLE, Northwestern University. *Some Points in a Scholar's Creed*. Thursday, Feb. 15.
 PROFESSOR G. H. PALMER, Harvard University. *Modern Tendencies in Ethics*. Friday, Feb. 3.
 PROFESSOR G. ANDERSON, The University. *The True Conception of Education*. Tuesday, Feb. 7.
 PROFESSOR I. B. BURGESS, The Academy, Morgan Park. *The Morgan Park Academy*. Friday, Feb. 10.
 MR. EDOUARD REMENYI, violinist, gave selections upon the violin Tuesday, Dec. 20, 1892.
 MR. WILLIAM H. SHERWOOD, Pianist, gave selections upon the piano, Jan. 20, 1893.

PUBLIC LECTURES.

The following Public Lectures were delivered at the University during the Autumn and Winter Quarters:

MRS. E. H. RICHARDS, Institute of Technology, Boston.
The Value of Sanitary Study to Workers in Social Science. October.

PROFESSOR THOMAS J. LAWRENCE, The University.
An Historic English Town: Bury St. Edmunds. October 25th.

PROFESSOR J. LAURENCE LAUGHLIN, The University.
Political Economy and Christianity. October.

PROFESSOR WILLIAM I. KNAPP, The University.
The Life and Time of Cervantes. October.

PROFESSOR EMIL G. HIRSCH, The University.
Ernest Rénan and his Contributions to the Knowledge of Semitics. November 3d.

PROFESSOR E. G. ROBINSON, The University.
Economics and Social Science as a Part of a Theological Education. November 5th.

DR. EDWARD PICK, England.

Memory Training. December 3d.

DR. H. C. MABIE, Boston.

Foreign Missions. December 15th.

PRESIDENT WILLIAM R. HARPER, The University.
Rationalistic and Rational Higher Criticism. January.

PROFESSOR GEORGE H. PALMER, Harvard University.
The Doctrine of Immortality. January 16th.

REV. KITTRIDGE WHEELER, Chicago.

Egypt and the Nile. February 16th.

REV. FRANK W. GUNSAULUS, Chicago.

The Americanism of Washington. February 22d.

PRESIDENT WILLIAM R. HARPER, Sunday Afternoon
Lectures in Courses.

Six Lectures on the Book of Job.

ASSISTANT PROFESSOR GEORGE S. GOODSPEED.

Six Lectures on Post-Exilic History and Literature.

ADDRESSES BEFORE THE CHRISTIAN UNION.

The following addresses have been delivered before the Christian Union on Sunday evenings during the Autumn and Winter Quarters.

PRESIDENT WILLIAM R. HARPER, The University.
Aims of the Christian Union. November 26.

PROFESSOR J. LAURENCE LAUGHLIN, The University.
The Spiritual Life. November 26.

PROFESSOR ALBION W. SMALL, The University.
Paul's Personal Religion. December 4th.

PROFESSOR JAMES H. TUFTS, The University.
The Eternal in the Heart of Man. December 11th.

PROFESSOR THOMAS J. LAWRENCE, The University.
Two Aspects of Christianity. December 18th.

PROFESSOR EZEKIEL G. ROBINSON, The University.
The University Sermon. Haggai 1:6-7. January 1, 1893.

PROFESSOR HARRY PRATT JUDSON, The University.
An Obsolete Law. January 8th.

ASSISTANT PROFESSOR FRANKLIN JOHNSON, The University.
Christ's Conception of True Greatness. January 15th.

BISHOP JOHN H. VINCENT, Buffalo, N. Y.

Things Hard to Understand in the Bible. January 22d.

PROFESSOR GEORGE H. PALMER, Harvard University.
Patience. February 5th.

ASSISTANT PROFESSOR CHARLES R. HENDERSON, The University.
Christ's Survey of His Work for the World. February 12th.

REV. EDWARD EVERETT HALE, D.D., Boston, Mass.
Glorifying God in all Things. February 19th.

PRESIDENT GEORGE S. BURROUGHS, Wabash College.
Bible Study, Why and How. February 26th.

PROFESSOR EMIL G. HIRSCH, The University.
The Basis of Religious Beliefs. March 5th.

PROFESSOR EM B. HULBERT, The University.
The Moral Argument of Christianity. March 12th.

PROFESSOR ERNEST D. BURTON, The University.
Christ's Ideal for His Followers. March 19th.

REV. HERRICK JOHNSON, D. D., Chicago.
The University Sermon. Timothy iv: 16. April 2d. Hyde Park Presbyterian church.

A BIBLICAL INSTITUTE ON ISAIAH

was held under the auspices of the American Institute of Sacred Literature, February 24-26.

PAPERS:

The Earliest Work of Isaiah.

The Later Work of Isaiah.

The Final Work of Isaiah.

PRESIDENT WILLIAM R. HARPER.

Isaiah's Conception of God.

ASSISTANT PROFESSOR TUFTS.

Isaiah in the New Testament.

PROFESSOR BURTON.

The Contributions of Assyrian Research.

ASSOCIATE PROFESSOR PRICE.

The Spiritual Element in Isaiah.

ASSISTANT PROFESSOR NORDELL.

Bible Study, Why and How.

PRESIDENT GEORGE S. BURROUGHS, of Wabash College.

PART II.—REGISTRATION OF STUDENTS IN ATTENDANCE. SPRING QUARTER, 1893.

DIRECTORY OF STUDENTS.

ABBREVIATIONS.

G-----Graduate Dormitory.
D-----Divinity Dormitory.
S-----Science Hall.
Sn-----Snell Hall.
Numerals ----Numbers of rooms.

THE GRADUATE SCHOOL.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Bernard Carroll Alderson,	A. B. (W. Va. Univ.) 1889. Latin, Greek.	<i>Alderson, W. Va.</i>	6230 Princeton av.
Arthur Moseley Allen,	A. B. (Colgate Univ.) 1892. English, History.	<i>Georgetown, N. Y.</i>	10 G.
William Laird Archibald,	A. B. (Acadia Univ.) 1892. Semitics.	<i>Wolfville, N. S.</i>	77 D.
Eiji Asada,	D. B. (Northwestern Coll. of Theology) 1891. Hebrew, Assyrian.	<i>Tokyo, Japan.</i>	26 G.
Mabel Banta,	A. B. (Ind. Univ.) 1885, A. M. (Ibid.) 1891. Latin, Greek.	<i>Bloomington, Ind.</i>	Sn.
Storrs Barrows Barrett,	A. B. (Univ. of Rochester) 1889. Geology, Astronomy.	<i>Rochester, N. Y.</i>	12 G.
Ernest Hickok Baldwin,	A. B. (Yale Univ.) 1891. History.	<i>Cromwell, Conn.</i>	5806 Washington av.
Clifford Webster Barnes,	A. B. (Yale Univ.) 1889. D. B. (Ibid.) 1892.	<i>Whittier, Cal.</i>	151 D.
Adolph Bernhard,	A. B. (Johns Hopkins Univ.) 1889. Chemistry.	<i>Stone Creek, O.</i>	5422 Jackson av.
George Ricker Berry,	A. B. (Colby Univ.) 1885, A. M. (Ibid.) 1888. Semitic, Germanic Languages.	<i>West Sumner, Me.</i>	113 D.
August G. Bjorneby,	A. B. (St. Olaf Coll.) 1892. Mathematics, Biology.	<i>Grafton, N. Dak.</i>	5459 Drexel av.
Leonard Anderson Blue,	Ph. B. (Cornell Coll.) 1892. History, Political Science.	<i>Belle Plaine, Ia.</i>	5709 Drexel av.
August Charles Bothe,	A. B. (Central Wesleyan Coll.) 1889. Chemistry, Physics.	<i>St. Paul, Minn.</i>	6536 Wharton av.
John Adams Bownocker,	S. B. (Ohio State Univ.) 1889. Geology.	<i>Columbus, O.</i>	6038 Park End av.
Harriet C. Brainard,	Ph. B. (Cornell Univ.) 1876. English Literature.	<i>Chicago.</i>	1301 Wabash av.
Roeliff Morton Breckinridge,	Ph. B. (Cornell Univ.) 1892. Political Economy, Sociology.	<i>Hamilton, Ont.</i>	28 G.
William Fisk Brewer,	A. B. (Iowa Coll.) 1891. Latin, Greek.	<i>Grinnell, Ia.</i>	19 G.
John Law Bridge,	S. B. (Wesleyan Univ.) 1888. Chemistry.	<i>Hazardville, Conn.</i>	9 G.
Charles Lawrence Bristol,	S. B. (Univ. City of N. Y.) 1883, S. M. (Ibid.) 1888. Biology.	<i>Ballston Spa, N. Y.</i>	290, 55th st.
Fanny Chamberlain Brown,	A. B. (Smith Coll.) 1882, A. M. (Ibid.) 1885. Political Economy, History.	<i>Winchester.</i>	Sn.
Horace Lycurgus Burr,	S. B. (De Pauw Univ.) 1890. Literature.	<i>New Castle, Ind.</i>	5 G.
Frank W. Bushong,	A. B. (Franklin and Marshall Coll.) 1885, A. M. (Ibid.) 1888. Chemistry.	<i>Chicago.</i>	228, 42d st.
Charles William Cabeen,	S. B. (Univ. of Wis.) 1882, L. M. (Ibid.) 1883, A. M. (Harvard Univ.) 1892. German, French.	<i>Portage, Wis.</i>	Brookline Park.
Frederic Ives Carpenter,	A. B. (Harvard Univ.) 1885. English Literature, Romance Languages.	<i>Chicago.</i>	5515 Woodlawn av.

* In the list of subjects the *principal subject* is placed first.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Nancy Jennette Carpenter,	A. B. (Cornell Coll.) 1885, A. M. (Ibid.) 1888. English Literature, History.	<i>Missouri Valley, Mo.</i>	Sn.
Augustus Stiles Carrier,	A. B. (Yale Univ.) 1879. Assyrian, Hebrew.	<i>Chicago.</i>	497 Fullerton av.
Ralph Charles Henry Catterall,	A. B. (Bucknell Univ.) 1891, (Harvard Univ.) 1892. History, Political Economy.	<i>Watertown, Pa.</i>	8 G.
Charles Oscar Chambers,	A. B. (Univ. of Ind.) 1891.	<i>Van Wert, O.</i>	5628 Jackson av.
William Wilfred Chandler,	A. B. (Wm. Jewell Coll.) 1891, A. M. (Ibid.) 1892. History, English Literature, Criticism.	<i>Pleasant Hill, Mo.</i>	5853 Wabash ² av.
Hannah Belle Clark,	A. B. (Smith Coll.) 1887. Social Science, History.	<i>Chicago.</i>	5312 Madison ² av.
Jacon Elon Conner,	A. B. (Iowa State Univ.) 1891. English Literature.	<i>Mt. Pleasant, Ia.</i>	4003 Drexel boul.
William Bone Conover,	S. B. (Ill. Coll.) 1891. Political Economy, Political Science.	<i>Virginia.</i>	240, 43d st.
Elizabeth Cooke,	Biology.	<i>Chicago.</i>	4340 Berkeley av.
Susan Rhoda Cutler,	A. B. (Western Reserve Univ.) 1885. Romance, Languages.	<i>Talladega, Ala.</i>	Sn.
Lydia Mitchell Dame,	A. B. (Boston Univ.) 1880, A. M. (Ibid.) 1889. Latin.	<i>Lynn, Mass.</i>	Sn.
Anna Freeman Davies,	A. B. (Lake Forest Univ.) 1889, A. M. (Ibid.) 1891. Sociology, Anthropology.	<i>Lake Forest.</i>	271, 55th st.
John Michael Davies,	S. B. (Lombard Univ.) 1886, S. M. (Ibid.) 1889. English, Political Science.	<i>Lombardville.</i>	5810 Drexel av.
Theodore Elias DeButts,	Ph. B. (Cornell Coll.) Chemistry, Physics.	<i>Hartland, Iowa.</i>	5630 Wentworth av.
E. Antoinette Ely,	A. B. (Univ. of Cin.) 1887, A. M. (Ibid.) 1892. Latin, Sanskrit.	<i>Cincinnati, O.</i>	Sn.
Marion E. Ely,	A. B. (Wellesley Coll.) 1889. English Literature.	<i>Chicago.</i>	259, 49th st.
Frank Carman Ewart,	A. B. (Denison Univ.) 1892. Latin, Greek.	<i>Granville, O.</i>	6038 Park End av.
Albert Chauncey Eyeleshymer,	S. B. (Univ. of Mich.) Vertebrate Embryology, Neurology.	<i>Hastings, Mich.</i>	5756 Monroe av.
Otto Knute Olaf Folin,	S. B. (Univ. of Minn.) 1892. Chemistry.	<i>Stillwater, Minn.</i>	5726 Drexel av.
Frank Hamilton Fowler,	A. B. (Lombard Univ.) 1890. Sanskrit, Comparative Philology.	<i>Bradford.</i>	10, 46th st.
Hamline Hurlburt Freer,	B. S. (Cornell Coll.) 1869, S. M. (Ibid.) 1878, A. B. (Ibid.) 1880, A. M. (Ibid.) 1883. Political Economy.	<i>Mount Vernon, Ia.</i>	5448 Cornell av.
John William Frole,	B. S. (Univ. of Mo.) 1888, M. S. (Ibid.) 1892. Astronomy, Mathematics.	<i>Canton, Mo.</i>	5630 Ingleside ² av.
Edgar Johnson Goodspeed,	A. B. (Denison Univ.) 1890. Semitic and Ancient History.	<i>Morgan Park.</i>	32 G.
Charles Ten Broeke Goodspeed,	A. B. (Denison Univ.) 1890. Political Science, History.	<i>Morgan Park.</i>	32 G.
John Russell Gow,	A. B. (Brown Univ.) 1877, B. D. (Newton Theol. Institution) 1882. Social Science, Anthropology.	<i>Chicago.</i>	275, 52d st.
Laura Churchill Grant,	A. B. (Vassar Coll.) 1892. Mathematics, Pol. Economy.	<i>St. Paul, Minn.</i>	Sn.
Wallace Fahnestock Grosvenor,	A. B. (Oberlin Coll.) 1892. Biology.	<i>Chicago.</i>	185 Lincoln av.
Nellie B. Haire,	A. B. (Univ. of Mich.) 1887. Language, Germanics, English.	<i>Chicago.</i>	4327 Lake av.
James Eugene Hamilton,	A. B. (Brown Univ.) 1883, B. D. (Baptist Union Theol. Sem.) 1884, A. M. (Brown Univ.) 1886. Philosophy.	<i>Goodwood, Ont.</i>	730, 63d Court.
Walter Scott Harley,	A. B. (Bucknell Univ.) 1887, A. M. (Ibid.) 1890. Comparative Philology, Latin.	<i>Germantown, Pa.</i>	18 G.
Henry Rand Hatfield,	A. B. (Northwestern Univ.) Political Economy, English.	<i>Evanston.</i>	11 G.
Edward Carey Hayes,	A. B. (Bates Coll.) 1887, A. M. (Ibid.) 1890; B. D. (Cobb Div. School) 1891. Sociology, Philosophy, English.	<i>Lewiston, Me.</i>	21 G.
Emily Aiken Hayward,	A. B. (Antioch Coll.) 1874, A. M. (Ibid.) 1879. English Literature, Philosophy.	<i>Denver, Col.</i>	Sn.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Napoleon Bonaparte Heller,	S. B. (Univ. of Pa.) 1884. Mathematics, Astronomy.	<i>Philadelphia, Pa.</i>	24 G.
Belva Mary Herron,	L. B. (Univ. of Mich.) 1889. Political Economy, Sociology.	<i>St. Louis, Mo.</i>	Sn.
Paul Llewellyn Hibbard,	S. B. (Univ. of Neb.) Chemistry.	<i>York, Neb.</i>	401 57th st.
Cyrus Wilburn Hodgkin,	A. M. (Earlham Coll.) 1889. History, Economics.	<i>Richmond, Ind.</i>	29 Aldine Square.
Joseph Henry Howard,	A. B. (Univ. of Ind.) 1888, A. M. (Ibid.) 1890. Latin.	<i>Indianapolis, Ind.</i>	127 D.
William Bashford Huff,	A. B. (Univ. of Wis.) 1889. Mathematics, Physics.	<i>Boscobel, Wis.</i>	5802 Jackson av.
Lincoln Hulley,	A. B. (Bucknell Univ.) 1888, A. B. (Harvard Univ.) 1889, A. M. (Bucknell Univ.) 1891. Semitic, Philosophy.	<i>Philadelphia.</i>	15 G.
Elkanah Hulley,	A. B. (Bucknell Univ.) 1892. Semitic.	<i>Chester, Pa.</i>	8 G.
John Irwin Hutchinson,	A. B. (Bates Coll.) 1889. Mathematics, Astronomy.	<i>Chicago.</i>	528 East 46th st.
Grace Jackson,	A. B. Wellesley Coll.) 1891. Latin, Greek.	<i>Ft. Wayne, Ind.</i>	Sn.
Herbert Parlin Johnson,	A. B. (Harvard Univ.) 1889, A. M. (Ibid.) 1890. Biology.	<i>Everett, Mass.</i>	5756 Monroe av.
Florence Nightingale Jones,	A. B. (Oberlin Coll.) 1883, A. M. (State Univ. of Neb.) 1891. Comparative Philology, Latin.	<i>Lincoln, Neb.</i>	Sn.
Laura Amelia Jones,	A. B. (Wellesley Coll.) 1882, A. M. (Ibid.) 1891. Hebrew and Old Testament Literature.	<i>East Orange, N. J.</i>	Sn.
Elias William Kelly,	A. B. (Acadia Coll.) 1876, grad. Newton Theol. Institution, 1880. Philosophy, Comparative Religion, Social Science.	<i>Collins, N. B.</i>	5524 Ingleside av.
Paul Oscar Kern,	(Berlin Univ.) Germany. Germanic and Romance Languages.	<i>Chicago.</i>	5442 Monroe av.
Charles Henry Kinne,	A. B. (Brown Univ.) 1879, Ph. D. (Univ. of Strassburg.) 1890. Romance Languages.	<i>Chicago.</i>	527, 44th Place.
Henry Barnard Kummel,	A. B. (Beloit Coll.) 1889, A. M. (Harvard Univ.) 1892. Geology, Mineralogy, Petrography.	<i>Milwaukee, Wis.</i>	29 G.
Agnes M. Lathe,	A. B. (Smith Coll.) 1881. English.	<i>Worcester, Mass.</i>	Sn.
Orpha Euphemia Leavitt,	A. B. (Doane Coll.) 1886. History, Political Science.	<i>Fox Lake, Wis.</i>	363 East 58th st.
Edwin Herbert Lewis,	A. B. (Alfred Univ.) 1887, Ph. D. (Syracuse Univ.) 1892. English, Philosophy.	<i>Chicago.</i>	78 D.
Frank Ratray Lillie,	A. B. (Univ. of Toronto). 1891. Invertebrate Embryology, Neurology.	<i>Toronto, Ont.</i>	5481 Kimbark av.
Henry Farrar Linscott,	A. B. (Bowdoin Coll.) 1892. Latin, Greek.	<i>Chicago.</i>	304 Washington boul.
Caroline Shaw Maddocks,	A. B. (Wellesley Coll.) 1892. English Literature.	<i>Auburn, Me.</i>	16 Sn.
Hervey Foster Mallory,	A. B. (Colgate Univ.) 1890. Semitic, Social Science.	<i>Aberdeen, So. Dak.</i>	74 D.
Elizabeth Helen Mathes,	L. B. (Univ. of Minn.) 1892. History, Political Science.	<i>Camden Place, Minn.</i>	344, 57th st.
Halsey Hulburt Matteson,	A. B. (Oberlin Coll.) 1889. Greek, Latin, Sanscrit.	<i>Seville, O.</i>	20 G.
Eloise Mayham,	A. B. (Univ. of Mich.) 1890. Philosophy.	<i>Stamford, N. Y.</i>	5812 Drexel av.
Albert D. Mead,	A. B. (Middlebury Coll.) A. M. (Brown Univ.) Morphology, Neurology, Paleontology.	<i>Chicago.</i>	550, 55th st.
Merton Leland Miller,	A. B. (Colby Univ.) 1890. Anthropology, History.	<i>Lowell, Mass.</i>	13 G.
Loren Douglas Milliman,	A. B. (Univ. of Mich.) 1890. English, Philosophy.	<i>Lakeville, N. Y.</i>	7 G.
John Wilson Million,	A. B. (Wm. Jewell Coll.) 1889, A. M. (Ibid.) 1891. Political Economy, History.	<i>Watson, Mo.</i>	5853 Wabash av.
Robert Edward Moritz,	S. B. (Hastings Coll.) Mathematics, Physics, Astronomy.	<i>Prosser, Neb.</i>	5490 Monroe av.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
George Edmund Morphy,	A. B. (Univ. of Toronto) 1885; B. D. (Morgan Park) 1890. Sociology.	<i>Colorado City, Col.</i>	28 G.
Otto Mühlhäuser,	Ph. D. (Zurich Univ.). Chemistry.	<i>Stuttgart, Germany.</i>	25 G.
Charles B. Newby,	S. B. (Earlham Coll.) 1889. Science, Philosophy.	<i>Converse, Ind.</i>	6 G.
John Eldredge Northrup,	A. B. (Drake Univ.) 1891. Political Economy.	<i>Melbourne, Ia.</i>	5709 Drexel av.
William Bishop Owen,	A. B. (Denison Univ.) 1887, D. B. (Bap. Union Theol. Sem.) 1891. Comparative Philology, Philosophy, Greek.	<i>Chicago.</i>	5475 Kimbark av.
Charles Emerson Peet,	S. B. (Univ. of Wis.) 1892. Geology.	<i>Avon.</i>	29 G.
Sarah Frances Pellett,	A. B. (Smith Coll.) 1882, A. M. (Cornell Univ.) 1891. Latin, Sanskrit, Greek.	<i>Binghamton, N. Y.</i>	Sn.
John William Perrin,	Ph. B. (Ill. Wesleyan Univ.) 1887, A. M. (Wabash Coll.) 1889. History, Philosophy.	<i>Chicago.</i>	5835 Drexel av.
Charles Hiram Perrine,	Ph. B. (Northwestern Univ.) 1892. Chemistry.	<i>Chicago.</i>	3410 Rhodes av.
Cora Belle Perrine,	A. B. (Wellesley Coll.) 1891. Political Economy, French, Social Science.	<i>Centralia.</i>	Sn.
Alice Edwards Pratt,	Ph. B. (Univ. of Cal.) 1881. English.	<i>Saint Helena, Cal.</i>	Sn.
Wayland Fuller Reynolds,	A. M. (Univ. of W. Va.) 1890. Philosophy, History.	<i>Morgantown, W. Va.</i>	6230 Princeton av.
Myra Reynolds,	A. B. (Vassar Coll.) 1880, A. M. (Ibid.) 1892. English, Philosophy.	<i>Pueblo, Col.</i>	Sn.
Elbert William Rockwood,	S. B. (Amherst Coll.) 1884. Chemistry.	<i>Iowa City, Ia.</i>	17 G.
Arthur Kenyon Rogers,	A. B. (Colby Univ.) 1891. Philosophy, New Testament Literature.	<i>Waterville, Me.</i>	2 G.
William Rollins,	A. B. (Univ. of Mont.), D. B. (Garrett Bib. Inst.), D. D. (Willamette Univ.). Hebrew, Arabic.	<i>Evanston.</i>	77 D.
Harry Luman Russell,	S. B. (Univ. of Wis.) 1888, S. M. (Ibid.) 1890, Ph.D. (Johns Hopkins Univ.) 1892. Bacteriology.	<i>Poynette, Wis.</i>	5425 Cottage Grove av.
Cora Louise Scofield,	A. B. (Vassar Coll.) 1890. History.	<i>Washington, Ia.</i>	Sn.
Avedis Bedros Selian,	A. B. (Central Turkey Coll.) 1888, Ag. B. (Univ. of Vt.) 1892. Political Economy, Philosophy, History.	<i>Cacasrea-Talas, Asia Minor.</i>	82 D.
James Grundy Sinclair,	M. D. (Bennett Med. Coll.) 1883; A. B. (Northwestern Univ.) 1892. Political Economy, Philosophy.	<i>Chicago.</i>	4101 Grand boul.
Herbert Ellsworth Slaughter,	A. B. (Colgate Univ.) 1883, A. M. (Ibid.) 1886. Mathematics, Astronomy.	<i>Englewood.</i>	440, 64th st.
Warren Rufus Smith.	A. B. (Bowdoin Coll.) Chemistry.	<i>Litchfield Corners, Me.</i>	9 G.
James Archy Smith,	Ph. B. (Denison Univ.) 1889, A. M. (Ibid.) 1892. Mathematics.	<i>Mercer's Bottom, W. Va.</i>	30 G.
Theodoro Geraldo Soares,	A. B. (Univ. of Minn.) 1891, A. M. (Ibid.) 1892. Biblical History, Semitic.	<i>Minneapolis, Minn.</i>	27 G.
Charles Worthen Spencer,	A. B. (Colby Univ.) 1890. Social Science, History.	<i>Waterville, Me.</i>	13 G.
Harriet Stone,	A. B. (Wellesley Coll.) 1889. Chemistry.	<i>Chicago.</i>	3352 Indiana av.
Frederick Arthur Stowe,	Ph. B. (Iowa State Univ.) 1892. Political Economy.	<i>Harvey.</i>	Harvey.
Samuel Ellis Swartz,	A. B. (Denison Univ.) 1879. Chemistry, Physics.	<i>Newark, O.</i>	5485 Monroe av.
Blanche Swingley,	A. B. Cornell Coll.) 1890. English, Latin, History.	<i>Port Byron.</i>	Sn.
John Wesley Tanner,	A. B. (Kalamazoo Coll.) 1882; D. B. (Morgan Park Theol. Sem.) 1885. History.	<i>Normal.</i>	5818 Drexel av.
Amanda Seeper Taylor,	A. B. (Simpson Coll.) 1884, A. M. (Ibid.) 1887. Biology.	<i>Peru, Neb.</i>	552 East 55th st.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
William Edgar Taylor,	A. B. (Clinton Coll.) 1879, A. M. (Ibid.) 1885, S. M. (Purdue Univ.) 1892. Geology, Paleontology.	<i>Peru, Neb.</i>	552 East 55th st.
William G. Taylor,	A. B. (Harvard Coll.) 1880, LL. B. (Ibid.) 1883. Political Economy.	<i>Mt. Vernon, Ia.</i>	5487 Monroe av.
Mary Sybria Tenney,	L. B. (Univ. of Wis.) 1887. History, Political Science.	<i>Chicago.</i>	3120 Calumet av.
Charles Sproull Thompson,	A. B. (Harvard Univ.) 1887. Political Economy.	<i>Chicago.</i>	1601 Prairie av.
James Westfall Thompson,	A. B. (Rutgers Coll.) 1892. History, Political Science.	<i>New Brunswick, N. J.</i>	31 G.
Clarence Almon Torrey,	Ph. B. (Cornell Coll.) 1890. Mathematics, Astronomy.	<i>Manchester, Ia.</i>	17 G.
George Tunell,	S. B. (Univ. of Minn.) 1892. Political Science, Political Economy.	<i>Albert Lea, Minn.</i>	4 G.
Mary E. G. Urch.	Sociology, German, Sacred Literature.	<i>Jackson, Mich.</i>	
Thomas Wood Valentine,	A. B. (Trinity Coll.) 1892. Latin, Sanskrit, Greek.	<i>Hendersonville, N. C.</i>	25 G.
Thorstein B. Veblen,	A. B. (Carleton Coll.) 1880, Ph. D. (Yale Univ.) 1884. Political Economy.	<i>Chicago.</i>	22 G.
George E. Vincent,	A. B. (Yale Coll.) 1885. General Sociology, History.	<i>Buffalo, N. Y.</i>	Cornell av. Hotel.
George Burnside Waldron,	A. B. (Oberlin Coll.) 1884. Sociology, Political Economy.	<i>Three Oaks, Mich.</i>	346, 56th st.
Elizabeth Wallace,	S. B. (Wellesley Coll.) 1886. History, Political Science.	<i>Minneapolis, Minn.</i>	Sn.
Madeline Wallin,	L. B. (Univ. of Minn.) 1892. Political Science, History.	<i>Fargo, N. Dak.</i>	Sn.
William Clarence Webster,	A. B. (Albion Coll.) History, Political Science, Political Economy.	<i>Mt. Vernon, Ia.</i>	4608 Lake av.
Jeanette Cora Welch,	A. B. (Wellesley Coll.) 1889. Zoölogy, Physiology.	<i>Sparta, Mich.</i>	Sn.
Chauncey Graham Wells.	A. M. (Wake Forest Coll.) 1889. English Language and Literature.	<i>Warsaw, N. C.</i>	16 G.
John Byrd Whaley,	A. B. (Western Maryland Coll.) 1889. Semitic Languages.	<i>Plymouth, N. C.</i>	16 G.
William Craig Wilcox,	A. B. (Univ. of Rochester) 1888, A. M. (Ibid.) 1891. History, Political Economy, Political Science.	<i>Rochester, N. Y.</i>	12 G.
Edith Wilkinson,	A. B. (Wellesley Coll.) 1888. History.	<i>Chicago.</i>	260, 51st st.
Maud Wilkinson,	A. B. (Wellesley Coll.) 1889. English Literature.	<i>Tarrytown, N. Y.</i>	5520 Madison av.
Herbert Lockwood Willett.	A. B., A. M. (Bethany Coll.) 1886. Semitics.	<i>Dayton,</i>	5812 Drexel av.
Wardner Williams,	Ph. B. (Alfred Univ.) 1880, Ph. M. (Ibid.) 1883, Ph. D. (Ibid.) 1890.	<i>Chicago.</i>	5812 Drexel av.
Alfred Williams,	Ph. B. (Alfred Univ.) 1890, Ph. M. (Ibid.) 1891.	<i>Chicago.</i>	5812 Drexel av.
Mary Frances Winston,	A. B. (Univ. of Wis.) 1889. Mathematics, Physics.	<i>Chicago.</i>	363 East 58th st.
Lucy A. Winston,	A. B. (Earlham Coll.) 1882. English Literature, German.	<i>Philadelphia, Pa.</i>	Sn.
Ambrose Paré Winston,	A. B. (Univ. of Wis.) 1887. Political Economy, History.	<i>Chicago.</i>	363 East 58th st.
Esther Witkowsky,	A. B. (Vassar Coll.) 1886. Germanic Languages, Romance Languages.	<i>Chicago.</i>	2802 Prairie av.
Irving Francis Wood,	A. B. (Hamilton Coll.) 1885, A. M. (Ibid.) 1888, B. D. (Yale Univ.) 1892. New Testament, Philosophy and Old Testament.	<i>Chicago.</i>	Frederick Court.
Robert Williams Wood,	A. B. (Harvard Univ.) 1891. Chemistry.	<i>Chicago.</i>	5237 Jefferson av.
Alwilde Clark Ziegenfelder,	A. B. (Vassar Coll.) History.	<i>Piqua, O.</i>	Calumet, 42d st.

NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.
John Burrows Brown,	A. B. (Knox Coll.) 1886, A. M. (Ibid.) 1889. Roman Law. Constitutional Law. International Law.	<i>Roseville, Ill.</i>
Edward Payson Drew,	A. B. (Yale Univ.) 1891 Semitic Languages. Philosophy.	<i>313 N. 9th st., St. Joseph, Mo.</i>
C. M. Ellinwood,	Ph. B. (Northwestern Univ.) 1876, Ph. M. (Ibid.). Chemistry.	<i>University Place, Neb.</i>
James Walter Fertig,	A. B. (Univ. of Nashville) 1890, A. M. (Univ. of Nashville) 1891. History, Political Economy, Anthro- pology.	<i>30 Academy Place, Nashville, Tenn.</i>
Daniel Hull,	A. B. (U. C. College) Mathematics.	<i>U. C. College, Toronto, Can.</i>
Jessie L. Jones,	A. B. (Doane Coll.) 1884. German.	<i>1639 L. St., Lincoln, Neb.</i>
Alexander Charles McKay,	A. B. (Univ. of Toronto) 1885. Mathematics, Astronomy, Physics.	<i>57 Prince Arthur av. Toronto, Ont.</i>
William Parker McKee,	A. B. (Wabash Coll.) 1883, D. B. (Morgan Park Theol. Sem.) 1887. Old Testa- ment History.	<i>522, 12th av. S. E., Minneapolis, Minn.</i>
William H. Smith,	A. B. (Amherst Coll.) 1890. Indo-European Languages and Liter- atures.	<i>Lahaina, Maui, H. I.</i>
John August Udden,	A. B. (Augustana Coll.) 1881, A. M. (Ibid.) 1889. Geology, Meteorology.	<i>1000, 38th st., Rock Island, Ill.</i>
Eugenia Winston,	A. B. (Univ. of Wis.) 1890. History.	<i>363 E. 58th st., Chicago.</i>
Francis A. Wood,	A. B. (Northwestern Univ.) 1880, A. M. (Ibid.) 1883. Germanic Languages and Literatures.	<i>Quincy, Ill.</i>

THE DIVINITY SCHOOL.

ENGLISH DEPARTMENT.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Ira Wilder Allen, Jr.,	A. B., A. M. (Williams College).	<i>Englewood.</i>	612 Maple st., Englewood,
Charles William Allen,	A. B. (Bucknell Univ.) 1892.	<i>Scranton, Pa.</i>	45 D.
Stephen Allen Atteberry,	A. B. (La Grange College) 1891.	<i>La Grange, Mo.</i>	137 D.
R. Bailey,	- - - - -	<i>Barrington, Ill.</i>	Barrington.
Fred Berry,	Morgan Park Theological Seminary.	<i>Pullman.</i>	Pullman.
Frank Printz Bixon,	Denison University.	<i>New York, N. Y.</i>	157 D.
James Blake,	- - - - -	<i>Chicago.</i>	85 D.
J. H. Blake,	- - - - -	<i>Chicago.</i>	85 D.
William Louis Blanchard,	A. B. (Univ. of Dakota) 1889.	<i>Darlington, Wis.</i>	125 D.
Charles E. Blodgett,	- - - - -	<i>Brookline Park.</i>	Brookline Park.
Everett Anthony Bowen.	A. B. (Brown Univ.) 1892.	<i>Providence, R. I.</i>	80 D.
Leslie Bower,	Morgan Park Theological Seminary.	<i>Grand Rapids, Mich.</i>	5546 Ingleside av.
Melbourne P. Boynton,	California College, Oakland, Cal.	<i>San Jose, Cal.</i>	5709 Drexel av.
Hattie Wells Boynton,	- - - - -	<i>San Jose, Cal.</i>	5709 Drexel av.
Charles William Brinstad,	A. B. (Univ. of So. Dakota) 1888.	<i>No. La Crosse, Wis.</i>	125 D.
Thomas Broomfield,	Bible Institute, Chicago.	<i>Good Thunder, Minn.</i>	152 D.
Fred Clark Gallup Bronson,	A. B. (Yale Univ.) 1892.	<i>Norwich, Conn.</i>	105 D.
Marcus Julian Brown.	A. B. (Williams Coll.) 1891.	<i>North Adams, Mass.</i>	1030 Harrison st.
William Lewis Burdick,	Ph. B. (Alfred Univ.) 1890, B. D. (Alfred Univ.) 1892.	<i>Hebron, Pa.</i>	638, 56th st.
Willard De Lure Burdick,	A. B. (Milton Coll.) 1890.	<i>Milton, Wis.</i>	5455 Monroe av.
James Wallace Cabeen,	A. B. (Ripon Coll.) 1888.	<i>Brookline Park.</i>	Brookline Park.
Robert Carroll,	Private School, Zenorville, Ia.	<i>Boone, Ia.</i>	5743 Kimbark av.
Agnes Fisher Carroll,	Manning School of Oratory, Minneapolis.	<i>Spencer, Ia.</i>	5743 Kimbark av.
Carl Delos Case,	A. B. (Colgate Univ.) 1891.	<i>St. Anthony Pk., Minn.</i>	109 D.
Judson Clarke Chapin,	A. B. (Univ. of Rochester) 1889.	<i>Chicago,</i>	3816 Rhodes av.
John David Collins,	Indiana State Normal School.	<i>Bainbridge, Ind.</i>	88 D.
Homer Martien Cook,	S. B. (La Grange Coll.) 1890.	<i>Bismarek, N. D.</i>	128 D.
John Marion Criswell,	A. B. (Denison Univ.) 1892.	<i>South Kirkland, O.</i>	138 D.
Frederick George Davies,	Nebraska City College.	<i>Somonauk.</i>	390, 57th st.
Ulysses Sherman Davis,	A. B. (Denison Univ.) 1892.	<i>Youngstown, O.</i>	110 D.
Joseph Croft Dent,	The Bible Institute, Chicago.	<i>Maplewood.</i>	Maplewood.
Walter Levy Dewey,	- - - - -	<i>Willoughby, O.</i>	52 D.
John W. Dutton,	A. B. (Boston Univ.).	<i>Chicago.</i>	D.
Friend Taylor Dye,	A. B. (Marietta Coll.) 1891.	<i>McClain, Ill.</i>	62 D.
John Alex Eakin,	A. B. (Beloit Coll.).	<i>Elgin.</i>	55 D.
Robert Elder,	A. B. (Coll. of City of N. Y.).	<i>Albany, N. Y.</i>	33 D.
John Waterman Elliott,	Morgan Park Theological Seminary.	<i>Hunter, Ill.</i>	Riverdale.
William Anderson Elliott,	- - - - -	<i>Argentine, Kans.</i>	143 D.
Francis R. Enslin, Jr.,	D. B. (Newton Theological Sem.) 1892.	<i>Somerville, Mass.</i>	112 D.
Christina H. Ericson,	- - - - -	<i>Morgan Park, Ill.</i>	Morgan Park.
Marion Danoby Eubank,	A. B. (Wm. Jewell Coll.), M. D. (Marion Sims Coll. of Medicine).	<i>St. Louis, Mo.</i>	5546 Ingleside av.
Thomas Silas Evans,	McMaster University, Toronto.	<i>Swedyrheir, So. Wales, Eng.</i>	84 D.
Henry Lexington Everett,	A. B. (Brown Univ.) 1886, A. M. (Brown and Harvard) 1889.	<i>Worcester, Mass.</i>	6121 Stewart av.
Elmer Elsworth Hatch,	California College.	<i>Lafayette, Cal.</i>	146 D.
James Washington Falls,	Morgan Park Theological Seminary.	<i>Milton, Pa.</i>	135 D.
Henry Alfred Fisk.	L. B. (Univ. of Cal.) 1891.	<i>Chenoa, Ill.</i>	43 D.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
John Elijah Ford,	Beloit College.	<i>Chicago.</i>	2715 Dearborn st.
John Victor Fradenburg,	Woodstock College.	<i>Upper Ontario.</i>	99 D.
Edward Frantz,	A. B. (Ohio Nor. Univ.) 1890.	<i>Chicago.</i>	5423 Monroe av.
Eliza Jane Gerry,	A. M. (Genesee Coll.)	<i>Chicago.</i>	Sn.
Thomas John Giblett,	East London Institute, London, Eng.	<i>Marley.</i>	152 D.
Theophilus Anthony Gill,	Princeton College	<i>West Park-on-the Hudson, N. Y.</i>	41 D.
Alfred Ebenezer Goodman,	A. B. (Ottawa Univ.) 1891.	<i>Antrim, Kans.</i>	132 D.
John Hiram Grant,	A. B. (Amherst Coll.)	<i>Goldsborough, N. C.</i>	90 D.
Robert Gray,	Morgan Park Theological Seminary.	<i>Chicago.</i>	5544 Ingleside av.
Benjamin Franklin Griffeth	- - - - -	<i>Chicago.</i>	5606 Ellis av.
Edwin Milton Griffin,	A. B. (Cornell Univ.) 1890.	<i>Buffalo, N. Y.</i>	70 D.
William Chase Halbert,	A. B. (La Grange Coll.) 1892.	<i>Plymouth.</i>	66 D.
Howland Hanson,	A. B. (Princeton Coll.) 1892.	<i>Savannah.</i>	65 D.
Jasper Harris,	State Normal College, Ala.	<i>Chicago.</i>	72 D.
Charles Asa Hemenway,	A. B. (Kalamazoo Coll.) 1892.	<i>Kalamazoo, Mich.</i>	5556 Princeton av.
John Frederick Henry,	Olivet College.	<i>Au Sable, Mich.</i>	139 D.
Jullien Avery Herrick,	S. B. (La Grange Coll.) 1892.	<i>La Grange, Mo.</i>	79 D.
Thomas Western Heyland,	A. B. (Univ. of No. Dak.) 1891.	<i>Pavilion.</i>	124 D.
George Perry Holcomb,	A. B. (Univ. of Rochester) 1889.	<i>Rochester, N. Y.</i>	75 D.
Charles Boyd Hole,	Morgan Park Theological Seminary.	<i>Fairbury, Neb.</i>	113 D.
Harry Howard,	A. B. (Trinity Coll.) 1891.	<i>Chicago.</i>	5548 Ingleside av.
John L. Hoyt, - -	- - - - -	<i>Sennet, N. Y.</i>	11 D.
Hugh Henry Hurley,	Woodstock College, Ont.	<i>Charter, Man.</i>	44 D.
John W. Jones,	A. B. Kans. Normal Coll.) 1886.	<i>Parsons, Kans.</i>	910 Southport av.
Edwin Bruce Kinney,	A. B. (Denison Univ.) 1892.	<i>Norwalk, O.</i>	121 D.
James Albert Koontz, -	- - - - -	<i>Michigan City, Ind.</i>	
Frank Kurtz,	A. B. (Kalamazoo Coll.) 1892.	<i>Genesee Mich.</i>	51 D.
Elisha Moore Lake,	Bucknell University.	<i>Elmira, N. Y.</i>	141 D.
Charles Augustus Lemon,	A. B. (Colgate Univ.) 1892.	<i>Attica, N. Y.</i>	142 D.
John Moses Lockhart,	L. B. (Denison Univ.) 1892.	<i>Reedy Ripple, W. Va.</i>	Harvey.
George Lord,	Morgan Park Theological Seminary.	<i>Custer Park.</i>	53 D.
Finley I. Lucas, - -	- - - - -	<i>Independence, Mo.</i>	327 State st.
Ephraim Harvey McDonald,	Bucknell University.	<i>Detroit, Mich.</i>	57 D.
Allan McEwan,	University of Michigan.	<i>Bay City, Mich.</i>	5606 Ellis av.
Donald Hugh McGillivray,	Morgan Park Theological Seminary.	<i>Wasco.</i>	48 D.
George McGinnis,	Morgan Park Theological Seminary.	<i>Sandwich.</i>	94 D.
Willard Carey Mac Naul,	A. B. (Bucknell Univ.) 1890.	<i>New Haven, Conn.</i>	69 D.
Benjamin F. Martin, - -	- - - - -	<i>Berwyn, Ill.</i>	Berwyn.
Leonidas I. Mercer,	L. B. (Bethany Coll.) 1890.	<i>Bowling Green, O.</i>	140 D.
John Freeman Mills,	A. B. (Toronto Univ.) 1890.	<i>Sparta, Ont.</i>	129 D.
David Vilhelm Myhrman,	(Baptist Theological Seminary, Sweden).	<i>Stockholm, Sweden.</i>	73 D.
Arthur Freeman Newcomb,	A. B. (Acadia Univ.) 1892.	<i>Wolfville, N. S.</i>	76 D.
Walter Hammond Nichols,	Univ. of Michigan.	<i>Ann Arbor, Mich.</i>	5802 Jackson av.
Ettie B. Nichols,	Univ. of Michigan.	<i>Ann Arbor, Mich.</i>	5802 Jackson av.
John Eubart Noftsinger,	Morgan Park Theological Seminary.	<i>Lithia, Va.</i>	144 D.
Eric Johan Nordlander,	Morgan Park Theological Seminary.	<i>Roseland.</i>	Roseland.
Thomas Augustus Oury -	- - - - -	<i>Morgan Park.</i>	Morgan Park.
Ernest Alfonzo Orr,	A. B. (Mt. Morris College).	<i>Plattsburg, Mo.</i>	5812 Drexel av.
Ida Orr,	Mt. Morris College.	<i>Chicago.</i>	5812 Drexel av.
Loran David Osborn,	A. B. (Univ. of Michigan.) 1891.	<i>Grand Rapids, Mich.</i>	65 D.
David Livingstone Parker,	Acadia College, N. S.	<i>Wolfville, N. S.</i>	64 D.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Joseph Paul,	- - - - -	<i>Omaha, Neb.</i>	81 D.
Charles Lewis Payne,	A. B. (Denison University), 1888.	<i>Morgan Park.</i>	Brookline Park.
W. Pearce,	- - - - -	<i>Harvey.</i>	Harvey.
William George Pearce,	Morgan Park Theological Seminary.	<i>Chicago.</i>	618 W. Madison st.
William Angus Peterson,	D. B. (Morgan Park Theological Sem.) 1890.	<i>Chicago.</i>	54 D.
Frank Erwin Peterson.	S. B., S. M. (Milton College), D. B. (Baptist Union Theological Sem.), 1892.	<i>Chicago.</i>	5455 Monroe av.
Daniel Thomas Phillips,	(Graduate Haverford College, Wales).	<i>Chicago.</i>	7031 Addison av.
Ansel Howard Post,	Morgan Park Theological Seminary.	<i>Bradford, Ill.</i>	130 D.
Milo B. Price,	A. B. (Denison University), 1892.	<i>Newark, O.</i>	121 D.
Washington Irving Price,	Denison Univ., Crozier Theological Sem.	<i>Henzada, Burma.</i>	5810 Drexel av.
Willis Preston Price,	S. B. (Gillsburg Collegiate Inst.) 1892.	<i>King, Miss.</i>	141 D.
John Thomas Proctor,	A. B. (Wm. Jewell College, Mo.) 1891.	<i>Philadelphia, Mo.</i>	5853 Wabash av.
Eliphalet Allison Read,	A. B. (Acadia University), 1891.	<i>Berwick, N. S.</i>	128 D.
Jesse Cassander Rhodes,	A. B. (Franklin College), 1892.	<i>Rensselaer, Ind.</i>	98 D.
Charles Wirt Robinson,	Cook Academy.	<i>North Hector, N. Y.</i>	47 D.
Aaron Wallace Runyan,	A. B. (Denison University), 1878. D. B. Newton Theological Sem.) 1881	<i>San Francisco, Cal.</i>	6423 Honore st.
John Samuelson,	(Willmar College, Minn.) (Morgan Park Theological Sem.).	<i>Austin.</i>	Austin.
James Franklin Sanders,	Furman Univ., S. C.	<i>Saluda, S. C.</i>	93 D.
Otto Joel Scovell,	A. B. (Wisconsin State University), 1881.	<i>Madison, Wis.</i>	140 D.
George Bly Shaw,	A. B. (Milton College), 1891.	<i>Milton, Wis.</i>	42 D.
Thaddeus Loring Smith,	Moody's Bible Institute.	<i>Millburn.</i>	6547 Lexington av.
Ralph Parsons Smith,	Ph. B. (Denison Univ.), 1888.	<i>Columbus, O.</i>	133 D.
John Gabriel Speicher,	M. D. (Univ. of Iowa), 1883.	<i>Hudson, Ia.</i>	8313 Superior av.
Ernest Edward Starkweather,	A. B. (Ottawa Univ.), 1891.	<i>Clay Center, Kans.</i>	56 D.
Frank A Starratt,	A. B. (Acadia College), 1892.	<i>Wolfville, N. S.</i>	95 D.
Almon Odell Stevens,	A. B. (Bucknell Univ.), 1891.	<i>Hop Bottom, Pa.</i>	136 D.
John Henry Stewart,	Morgan Park Theological Seminary.	<i>Newcastle-on-Tyne, Eng.</i>	145 D.
Martin Curtis Stonecipher,	A. B. (Shurtleff College) 1887, B. D. (Newton Theological Inst.) 1891.	<i>Sun Prairie, Wis.</i>	49 D.
Mary Kimbrough Stoner,	S. B. (Bethel College) 1886.	<i>Chicago.</i>	373 Bowen av.
Edwin Stanton Stucker	Morgan Park Theological Sem., Ottawa Univ.	<i>Ottawa, Kans.</i>	144 D.
Fuller Swift,	- - - - -	<i>Chicago.</i>	302, 41st st.
Sidney Cain Tapp,	Ph. B. (Furman Univ.), 1892.	<i>Roxboro, N. C.</i>	50 D.
Walter William Theobald,	Morgan Park Theological Seminary.	<i>Wayne, Neb.</i>	Brookline Park.
Thora Thompson,	Pillsbury Academy	<i>Montevideo, Minn.</i>	5475 Kimbark av.
James Jay Thom,	D. B. (Rochester Theological Sem.) 1892.	<i>Glasgow, Scotland.</i>	39 D.
Henry Van Engelen,	- - - - -	<i>Englewood, Ill.</i>	Englewood.
Theodore Julian Van Horne,	A. B. (Milton College), 1888.	<i>Welton, Ia.</i>	60 D.
Charles Frank Vreeland,	Michigan State Normal School.	<i>Coopersville, Mich.</i>	139 D.
William Albergince Waldo,	Th. B. (Morgan Park Theological Sem.)	<i>Drayton, N. Dak.</i>	129 D.
Horace Jonathan Wheeler	- - - - -	<i>Atlanta.</i>	120 D.
Alfred Wesley Wishart,	A. B. (Colgate University), 1889.	<i>Brooklyn, N. Y.</i>	5425 Cottage Grove av.
William Robert Wood,	Univ. of Colorado.	<i>Chicago.</i>	6231 Sheridan av.
Joel Franklin Wood,	S. B. (Franklin College), 1890.	<i>Smithfield, O.</i>	92 D.
Andrew Robert Elmer Wyant,	A. B. (Bucknell Univ.), 1892.	<i>Adrian, Pa.</i>	136 D.
Emanuel Sprangle Young,	A. B. (Mt. Morris College), (Morgan Park Theological Sem.).	<i>Mt. Morris.</i>	74 D.

DANISH-NORWEGIAN DEPARTMENT.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Hans Martin Anderson.	Morgan Park Theological Seminary.	<i>Arendal, Norway.</i>	118 D.
Anders Larsen Brandsmark,	Morgan Park Theological Seminary.	<i>Slagelse, Denmark.</i>	87 D.
Christen Petersen Grarup,	Morgan Park Theological Seminary.	<i>N. Snede, Denmark.</i>	87 D.
Ove Laurits Høien,	Morgan Park Theological Seminary.	<i>Minneapolis, Minn.</i>	118 D.
Edward Peter Johnson,	Morgan Park Theological Seminary.	<i>Minneapolis, Minn.</i>	119 D.
Nels Sorenson Laudahl,	Morgan Park Theological Seminary.	<i>Eureka, Wis.</i>	58 D.
Andrew Anderson Ohrn.	Morgan Park Theological Seminary.	<i>Bergen, Norway.</i>	118 D.
Tellef Christian Pedersen,	Morgan Park Theological Seminary.	<i>Arendal, Norway.</i>	119 D.

SWEDISH DEPARTMENT.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Carl Anderson,	Morgan Park Theological Seminary.	<i>Cadillac, Mich.</i>	96 D.
Gustaf Kobert Anderson,	Morgan Park Theological Seminary.	<i>St. Paul, Minn.</i>	114 D.
Magnus Berglund,	Morgan Park Theological Seminary.	<i>DeKalb.</i>	38 D.
Herman Bergman,	Morgan Park Theological Seminary.	<i>Muskegon, Mich.</i>	38 D.
Martin Carlson,	Morgan Park Theological Seminary.	<i>Humboldt Park.</i>	102 D.
Carl Hasselblad,	Morgan Park Theological Seminary.	<i>Grantsburg, Wis.</i>	78 D.
John Heden,	Morgan Park Theological Seminary.	<i>Daggett, Mich.</i>	839, 59th St., Englewood.
Johan Peter Jacobson,	Morgan Park Theological Seminary.	<i>Duluth, Minn.</i>	115 D.
Magnus Johnson,	Morgan Park Theological Seminary.	<i>St. Paul, Minn.</i>	107 D.
Antone Oliver Lawrence,	Morgan Park Theological Seminary.	<i>Omaha, Neb.</i>	111 D.
Fredrick Linden,	Morgan Park Theological Seminary.	<i>Ogema, Wis.</i>	Park Manor.
Edward Sigurd Lindblad,	Morgan Park Theological Seminary.	<i>Oakland, Neb.</i>	115 D.
Olof Lindholm,	Morgan Park Theological Seminary.	<i>Gowrie, Ia.</i>	67 D.
Sven August Nelson,	Morgan Park Theological Seminary.	<i>Kiron, Ia.</i>	97 D.
Carl Anton Nelson,	Morgan Park Theological Seminary.	<i>Chicago.</i>	97 D.
John August Roos,	Public School.	<i>St. Paul, Minn.</i>	149 D.
Johan Rocén,	Morgan Park Theological Seminary.	<i>Chicago.</i>	149 D.
Carl Axel Salquist.	Morgan Park Theological Seminary.	<i>Lake City, Minn.</i>	107 D.
Carl Gustaf Sten,	Morgan Park Theological Seminary.	<i>Kansas City, Kans.</i>	78 D.
Carl Wilhelm Sundmark,	Morgan Park Theological Seminary.	<i>Chicago.</i>	101 D.
Olof Taffin,	Morgan Park Theological Seminary.	<i>La Porte, Ind.</i>	67 D.
Carl Fridolf Wiking,	Morgan Park Theological Seminary.	<i>Evanston.</i>	114 D.

THE UNIVERSITY COLLEGES.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Minnie Frances Babcock,	Lake Erie Seminary.	<i>Painesville, O.</i>	5324 Madison av.
George A. Bale,	- - - - -	<i>Gig Harbor, Wash.</i>	5434 Washington av.
Warren Palmer Behan,	Beloit College.	<i>Chicago.</i>	448 Bowen av.
Frank Hamlin Blackmarr,	Allegheny College.	<i>Jamestown, N. Y.</i>	613 Chestnut st., Eng- lewood.
Jesse Dismukes Burks,	Univ. of California.	<i>Los Angeles, Cal.</i>	58th st. & Jackson av.
Antoinette Cary,	Wellesley College.	<i>Elyria, O.</i>	Sn.
Mary Lucretia Daniels,	Vassar College.	<i>New Haven, Conn.</i>	Sn.
Phillip Jackson Dickerson,	Bucknell Univ., Pa.	<i>Lula, Va.</i>	317, 61st st.
Hallie Centennial Ellis,	LL. B. (Univ. of Mich.) 1890. LL. M. (Ibid) 1892.	<i>Freeport.</i>	36 D.
William Steen Gaud,	Illinois College.	<i>Chicago.</i>	5802 Jackson av.
Rizpah Marguerite Gilbert,	Cornell University.	<i>Le Roy, N. Y.</i>	Sn.
Alvan C. Halphide,	The Old Univ. of Chicago.	<i>Chicago.</i>	3410 Rhodes av.
Hermann Valentine von Holst,	Gymnasium at Freiburg-in-Baden Ger- many.	<i>Chicago.</i>	4333 Forestville av.
Robert Franklin Hoxie,	Cornell University.	<i>Yorkville, N. Y.</i>	3821 Aldine Place.
John Franklin Hunter,	Univ. of Toronto.	<i>Minto, N. Dak.</i>	118 D.
Louis Bogart Joralmon,	Lake Forest Univ.	<i>Norwood Park.</i>	92 D.
Jacob Adolph Loeb,	The Royal Gymnasium, Wiesbaden, Ger- many.	<i>Chicago.</i>	3251 Vernon av.
Herbert Manchester,	Lake Forest Univ.	<i>Gray's Lake.</i>	5810 Drexel av.
Mary Louise Marot,	Wellesley College.	<i>Dayton, O.</i>	Sn.
William Howard Prescott,	- - - - -	<i>Cleveland, O.</i>	5541 Cottage Grove av.
Clarke Edward Ridpath,	De Pauw Univ., A. B., 1891, A. M., 1892.	<i>Greencastle, Ind.</i>	3 G.
Howard Roosa,	Yale University.	<i>Rosendale, N. Y.</i>	24 Dr.
William Rullkoetter,	Hastings College, Neb.	<i>Hastings, Neb.</i>	56th st. & Drexel av.
George M. Ryder,	Montana University.	<i>Melrose Park.</i>	Melrose Park.
Robert Alexander Joseph Shaw,	Univ. of Mich.	<i>Chicago.</i>	632 Madison st.
Edward Octavius Sisson,	Kansas State Agricultural College.	<i>Newcastle-on-Tyne, England.</i>	5442 Drexel av.
Edward L. Tupper,	Rochester Univ.	<i>Raleigh, N. C.</i>	5548 Ingleside av.
Florence Mercy Walker,	Ingham Univ., N. Y.	<i>Le Roy, N. Y.</i>	Sn.
Andrew Robinson Whitson,	Univ. of Wis.	<i>Northfield, Minn.</i>	113 D.
Henry Parker Willis,	Western Reserve Univ.,	<i>Racine, Wis.</i>	5551 Lexington av.
Clarence Hubert Woods,	Colorado Coll.	<i>Colorado Springs, Col.</i>	88 D.

THE ACADEMIC COLLEGES.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Henry Magee Adkinson,	Englewood High School.	<i>Chicago.</i>	5552 Wentworth av.
Oswald James Arnold,	No. Div. High School.	<i>Chicago.</i>	105 D.
Wallace Walter Atwood,	W. Div. High School.	<i>Chicago.</i>	2631 Wabash av.
Gustave Wilhelm Axelson,	The Owen Academy.	<i>Morgan Park.</i>	3 Dr.
Cecil V. Bachele,	Chicago Academy.	<i>Chicago.</i>	18 Gilpin place.
Mary Brooks Baird,	Southern Kansas Acad., Eureka, Kans.	<i>Eureka, Kans.</i>	4643 Lake av.
Ralph Barker,	Sisson's School.	<i>Englewood.</i>	6419 Wright st.
Harrison B. Barnard,	- - - - -	<i>Englewood,</i>	510, 62d st.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PEPSNT ADDRESS.
Saxton Barrett,	- - - - -	<i>Chicago.</i>	3230 Calumet av.
Lu Eaves Barrett,	Henderson High School.	<i>Henderson, Ky.</i>	Sn.
Maria Beatty,	Lake High School.	<i>Chicago.</i>	4444 Emerald av.
Glenrose M. Bell,	Ferry Hall, Lake Forest.	<i>Chicago.</i>	5810 Washington av.
Lucy Lovejoy Bennett,	Evanston High School,	<i>Evanston.</i>	5830 Rosalie Court.
Charles King Bliss,	The Owen Academy.	<i>Longwood.</i>	Longwood.
Rose Marie Boomer,	Univ. of Mich.	<i>Chicago.</i>	353 East 46th st.
Jennie Kathryn Boomer,	Univ. Mich.	<i>Chicago.</i>	353 East 46th st.
Berkeley Brandt,	- - - - -	<i>Chicago.</i>	1316 Michigan av.
Carolyn Louise Brown,	Elgin High School.	<i>Elgin.</i>	222 Marshfield av.
Fred Preston Brown,	- - - - -	<i>North Adams, Mass.</i>	131 D.
Agnes May Brown.	The Owen Academy.	<i>Morgan Park.</i>	Morgan Park, Ill.
Allen Tidalls Burns,	Sisson's Academy.	<i>Chicago.</i>	288, 53d st.
Demia Butler,	Girls' Classical School, Indianapolis.	<i>Indianapolis, Ind.</i>	Sn.
Sarah Elizabeth Butler,	Girls' Classical School, Indianapolis.	<i>Indianapolis, Ind.</i>	Sn.
Katherine Allegra Byrne,	Englewood High School.	<i>Englewood.</i>	6330 Dickey st.
David Chalmers Campbell,	Tarkio College, Mo.	<i>Englewood.</i>	6818 Wright st.
Henry Peat Caraway,	Northwestern Univ.	<i>Tuscola.</i>	5835 Drexel av.
Percy Peyton Carroll,	Hanover College, Ind.	<i>Marion, Ind.</i>	110 D.
Mary Castle,	Bucknell Univ.	<i>Alexandria, O.</i>	5440 Monroe av.
Henry Thurston Chace, Jr.,	Hyde Park High School.	<i>Chicago.</i>	5740 Rosalie Court.
Frank Wesley Chadbourn,	Univ. of Rochester.	<i>Columbus, Wis.</i>	6200 Sheridan av.
Faith Benita Clark,	Rockford Seminary.	<i>Rockford.</i>	5719 Rosalie Court.
Henry L. Clarke,	So. Div. High School.	<i>Chicago.</i>	3738 Calumet av.
Hester Jane Coddington,	Illinois State Univ.	<i>Kansas City, Mo.</i>	5515 Madison av.
Elizabeth Teasdale Coolidge,	So. Div. High School.	<i>Chicago.</i>	2917 Groveland av.
John Birdsey Curtis,	Univ. of Michigan.	<i>Grand Crossing.</i>	7437 Nutt av.
Cora Eames De Graff,	Evansville Classical School, Ind.	<i>Englewood.</i>	6939 Wright st.
Lawrence James de Swarte,	Beloit College.	<i>Milwaukee, Wis.</i>	117 D.
Charles Dorrance Dibell,	The Owen Academy.	<i>Joliet.</i>	76 D.
Gertrude Parker Dingee,	Oshkosh High School, Wis.	<i>Racine, Wis.</i>	Sn.
Dora May Diver,	The Owen Academy.	<i>Waukegan.</i>	Sn.
Charles Henry Dixon,	De Pauw Univ.	<i>Chicago.</i>	1076 So. St. Louis av.
Mabel Louise Dorc,	So. Div. High School.	<i>Chicago.</i>	3650 Vernon av.
Raymond Carleton Dudley,	The Owen Acad.	<i>Chicago.</i>	2613 Indiana av.
Charles Wesley Fletcher,	Wheaton College.	<i>West McHenry,</i>	1 G.
Edith Burnham Foster,	W. Div. High School.	<i>Chicago.</i>	2541 Michigan av.
Herbert Jacob Friedman,	The Owen Academy, Morgan Park.	<i>Chicago.</i>	3602 Prairie av.
Joseph C. Friedman,	So. Div. High School.	<i>Chicago.</i>	3916 Prairie av.
Mary Furness,	Lyons High School.	<i>La Grange.</i>	5657 Cottage Grove av.
Henry Gordon Gale,	Aurora High School.	<i>Aurora.</i>	94 D.
Cora Margaret Gettys,	The Owen Academy.	<i>Englewood.</i>	5855 Wright st.
Hyman Elijah Goldberg,	West Division High School.	<i>Chicago.</i>	348 S. Clark st.
Emma Louise Goodhue,	Carleton College.	<i>Chicago.</i>	54 Bryant av.
Paul Spencer Graves,	Evanston High School.	<i>Evanston.</i>	5630 Ingleside av.
Lulu Maria Green.	Univ. of Nebraska.	<i>Lincoln, Neb.</i>	550 E. 55th st.
Michael Frederic Guyer,	Plattsburg, Mo. High School.	<i>Plattsburg, Mo.</i>	5630 Ingleside av.
Elmer Ellsworth Hartley,	The Owen Academy.	<i>Chicago.</i>	111 D.
Helen Amelia Haven,	Hanover College, Ind.	<i>Marengo.</i>	5806 Drexel av.
John Henry Heil,	Northwestern Univ.	<i>Centralia.</i>	3504 Rhodes av.
Harry Cyrus Holloway,	Chicago Manual Training School.	<i>Chicago.</i>	3436 Prairie av.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Edward Gardiner Howe,	- - - - -	Tracy.	Tracy, Ill.
Robert Lee Hughes,	Mt. Hermon School, Mass.	Prospect, N. Y.	290, 55th st.
Clara Delia Hulbert,	The Owen Academy.	Morgan Park.	Morgan Park, Ill.
John Hulshart,	Peddle Institute, N. J.	Lakewood, N. J.	749, 63d Court.
Lila Cole Hurlbut,	Omaha High School, Neb.	Chicago.	4158 Calumet av.
Isaac Barney Hyman,	The Owen Academy.	Chicago.	83, 33d st.
Cora Belle Jackson,	Howard Univ., Washington, D. C.	Chicago.	5429 Jackson av.
Stewart Wells Jameson,	Univ. of Illinois.	Farmer City.	88 D.
Victor Oscar Johnson,	Northwestern Univ.	Genoa, Neb.	119 D.
Ralph Hiram Johnson,	Kenyon Military Academy, Ohio.	Marion, Ind.	109 D.
Edith Sarah Kellogg,	Iowa College Academy.	Correctionville, Ia.	Sn.
George Nelson Knapp,	Univ. of Wisconsin.	Madison, Wis.	113 D.
Aletta Hartwell Knox,	Evelyn College, Princeton, N. J.	Chicago.	2227 Calumet av.
Philemon Bulkley Kohlsaet,	Northwestern Univ.	Chicago.	271 Ashland boul.
John Lane Laning,	Illinois College.	Petersburg.	75 D.
Van Rensselaer Lansingh,	College of City of N. Y.	Chicago.	5748 Madison av.
Joseph Leiser	Univ. of Rochester.	Rochester, N. Y.	83 D.
Alfred Earnest Logie.	- - - - -	Redlands, Cal.	Grand Crossing.
Walter David Lowy,	Northwestern Univ. Prep. Sch.	Chicago.	3626 Ellis Park.
Clifford Bottsford McGillivray,	The Owen Academy.	Chicago.	3727 Vernon av.
Samuel Sweeney McClintock,	Kentucky Univ.	Lexington, Ky.	5745 Madison av.
Anna James McClintock,	Millersburgh Female College, Ky.	Millersburgh, Ky.	Sn.
Bessie Messick,	- - - - -	Memphis, Tenn.	Sn.
Ward Magoon Mills,	The Owen Academy.	Englewood.	711, 70th st.
Frederick Horace Minard,	Drury College.	Chicago.	48, 53d st.
Arthur Minnick,	Englewood High School.	Chicago.	6029 Ellis av.
Harry Collier Mix.	- - - - -	Chicago.	361 Campbell av.
William Eugene Moffatt,	North Division High School.	Chicago.	5800 Jackson av.
Carrie S. Moore,	Wayland Academy, Wis.	Beloit, Wis.	359, 65th st.
Thomas William Moran,	Univ. of Michigan.	Chicago.	4710 Vincennes av.
Edwin Morgan.	Bucknell Univ.	E. Stroudsburg, Pa.	317 61st st.
Thomas S. Morgan,	- - - - -	Chicago.	5647 Kimbark av.
Elizabeth Moss,	Sisson's School.	Great Bend, Kans.	5720 Rosalie ct.
Henry Charles Murphy,	Univ. of Notre Dame, Ind.	Woodstock.	89 D.
Carr Baker Neel,	Oakland High School, Cal.	Chicago.	3203 Indiana av.
Fred. Day Nichols.	Cedar Valley Seminary.	Osage, Ia.	116 Middle D.
Alfred Sayles Northrup,	Univ. of Michigan.	Morgan Park.	Morgan Park, Ill.
Charles Sumner Pike,	South Division High School.	Chicago.	3908 Ellis av.
Margaret Purcell.	College of Emporia, Kans.	Manhattan, Kans.	Sn.
Maud Lavinia Radford,	Ingham College, N. Y.	Le Roy, N. Y.	Sn.
William John Rapp,	North Division High School.	Chicago.	115 D.
Joseph Edward Raycroft,	Worcester Academy, Mass.	Boston, Mass.	35 D.
Stella Robertson,	Albion High School, N. Y.	Albion, N. Y.	Sn.
Cora Emma Roche,	West Division High School	Chicago.	Sn.
May Josephine Rogers,	Univ. of Michigan.	Chicago.	5657 Cottage Grove av.
Isaac Edward Rubovits,	South Div. High School.	Chicago.	3418 Calumet av.
Loren M. Russell,	- - - - -	Englewood.	6357 Stewart av.
Marshall Emmett Sampsell,	The Owen Academy.	Chicago.	6851 Wentworth av.
Louis Sass,	West Division High School.	Chicago.	847 W. Monroe st.
Katherine Augusta Smith,	The Owen Academy.	Morgan Park.	Morgan Park, Ill.
Kenneth Gardner Smith,	The Owen Academy.	Dixon.	5475 Kimbark av.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Harry Justin Smith,	- - - - -	<i>Morgan Park.</i>	Morgan Park, Ill.
Mary Doan Spalding,	Cornell Univ.	<i>Brooklyn, N. Y.</i>	5549 Woodlawn av.
Henry Dallas Speer,	William's College.	<i>Chicago.</i>	161, 30th st.
Joel Sperans,	Gymnasium, Taganrog, Russia.	<i>Russia.</i>	118 D.
Althea Violet Stebbins,	Wellesley College.	<i>Colehour.</i>	Colehour, Ill.
Ray William Stevens,	Sisson's Academy.	<i>Chicago.</i>	3574 Vincennes av.
Harry Wheeler Stone,	South Division High School.	<i>Chicago.</i>	3411 Vernon av.
Reuben Giles Stowell,	North Division High School.	<i>Chicago.</i>	115 D.
Thomas Jackson Taylor,	Missouri State Univ.	<i>St. Louis, Mo.</i>	5630 Ingleside av.
Mary Susan Thomas,	- - - - -	<i>Myersdale, Pa.</i>	Students' Hall, Englewood.
Elmer Ely Todd,	The Owen Academy.	<i>Dixon,</i>	73 D.
Cyrus Fisher Tolman, Jr.	Owen Academy, Morgan Park.	<i>Chicago.</i>	41 University Place
L. Brent Vaughan,	Oberlin College.	<i>Swanton, O.</i>	273 East 55th St.
Alice Van Vliet,	South Division High School.	<i>Chicago.</i>	Sn.
Harry Whitwell Wales, Jr.	Hyde Park High School.	<i>Lanark.</i>	62, 43d st.
George P. Walker,	- - - - -	<i>Madison, Wis.</i>	95 D.
Sarah Emma Wallace,	Englewood High School.	<i>Englewood.</i>	748, 71st st.
William English Walling,	Hyde Park High School.	<i>Chicago.</i>	4127 Drexel boul.
Emma Beales Walls,	Northwestern Univ.	<i>Chicago.</i>	4334 Greenwood av.
Ralph Waldo Webster,	Monmouth College.	<i>Monmouth.</i>	5835 Drexel av.
Frederick Simon Weingarten,	College of City of New York.	<i>Chicago.</i>	3237 Calumet av.
Leo Wheeler,	The Owen Academy,	<i>Chicago.</i>	3615 Ellis Park.
Gwendolen Brown Willis,	Racine Academy, Wis.	<i>Racine, Wis.</i>	5551 Lexington av.
Frances Greenwood Williston,	South Division High School.	<i>Elmhurst.</i>	Sn.
Charles Sumner Winston,	- - - - -	<i>Chicago.</i>	363 E. 58th st.
Henry D. Wolff,	- - - - -	<i>Chicago.</i>	3158 Calumet av.
Louis Wolff, Jr.	The Chicago Academy.	<i>Chicago.</i>	1319 Washington boul

UNCLASSIFIED STUDENTS.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Alzora Aldrich,	- - - - -	<i>Westerly, R. I.</i>	Sn.
John Kermott Allen,	Grass Lake High School, Mich.	<i>Chicago.</i>	34 Clark st.
H. F. Atwood,	- - - - -	<i>Hays City, Kans.</i>	96 D.
Edith Florence Austin,	Univ. of Wisconsin.	<i>Woodstock.</i>	5425 Cottage Grove av.
Ann Baldwin,	- - - - -	<i>Chicago.</i>	47 Woodland Park.
Maud Berry,	Hyde Park High School.	<i>Chicago.</i>	5638 Madison av.
Abraham Bowers,	Mt. Morris College.	<i>St. Joseph.</i>	114 D.
Jacob William Braam,	Institute of Technology, Chicago.	<i>Chicago.</i>	86 D.
Marcus Monroe Brown,	- - - - -	<i>Chicago.</i>	1111 Chamber Commerce bldg.
Anna Christina Brunzell,	Skarped's Public School, Sunne, Sweden.	<i>Chicago.</i>	3337 La Salle st.
John Taylor Campbell,	Washburn College, Topeka. Kans.	<i>Cheney, Kans.</i>	5812 Drexel ave.
Lillian Chapin,	W. Div. High School.	<i>Chicago.</i>	5418 Kimbark av.
Grace Newsome Clark,	Drury College.	<i>Springfield, Mo.</i>	Sn.
Gertrude Laura Cobb,	- - - - -	<i>Kalamazoo, Mich.</i>	Sn.
Frank Hall Colyer,	Ill. State Normal School.	<i>Albion.</i>	5709 Drexel av.
Louise Bates Comstock,	- - - - -	<i>Rochester, N. Y.</i>	5456 Washington av
Helen Finch Conner,	Girls' Classical School, Indianapolis,	<i>Indianapolis, Ind.</i>	Sn.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Frances Crane,	Chicago Women's Medical Coll.	Chicago.	2541 Michigan av.
Stephen Byron Dexter,	Suffield Literary Inst., Conn.	South Norwalk, Conn.	37 D.
Emil John William Drefs,	Pedagogical Sem., Warsaw, Russia.	Chicago.	71 D.
Clare Delphine Fox.	Northern Ill. College.	Belvidere.	Sn.
Charles Horace Gallion.	Ills. Wesleyan Univ.	St. Joseph.	91 D.
Abigail Matilda George,	Cedar Rapids High School, Ia.	Chicago.	4744 Kenwood av.
Mary Lathrop Goss.	Plano High School, Ill.	Plana.	3807 Elmwood pl.
Amelia Varick Gunn,	Oberlin College.	South Eranston.	Sn.
Jessie May Hall.	Mt. Carroll Sem., Ill.	Elmira, N. Y.	Sn.
Herschel V. Hibbard,	- - - - -	Valparaiso, Ind.	391, 55th st.
Louise Wolcott Hooker,	- - - - -	Rochester, N. Y.	5456 Washington av.
John L. Hoyt,	- - - - -	Sennett, N. Y.	116 D.
Harry David Hubbard.	Temple College, Philadelphia.	Philadelphia, Pa.	39 D.
Lucia Kieve,	Univ. of Mich.	Marion, Kans.	5515 Madison av.
Egbert Sylvester King.	Tait's Academic School, Wash.	Chicago.	127 D.
Jesse Lewis.	Ind. State Normal School.	Rockville, Ind.	5548 Ingleside av.
Emery Ellsworth McCalla,	Pontiac High School.	Pontiac.	5818 Drexel av.
Margaret McGorray,	- - - - -	Decatur.	Sn.
Albert Edward McKinley,	Temple College, Philadelphia.	Philadelphia, Pa.	59 D.
William Lewis Martin,	- - - - -	Chicago.	2437 Calumet av.
Evelyn Matz,	Chicago High School.	Chicago.	431 Oak st.
Charlotte Elizabeth Newton,	- - - - -	Chicago.	4500 Prairie av.
Nellie Johnson O'Connor,	- - - - -	Chicago.	3565 Forest av.
Benjamin Aurelius Ogdon,	Ind. State Normal School.	Rockville, Ind.	5548 Ingleside av.
Marion Louise Otis,	The Kirkland School. Chicago.	Chicago.	294 Huron st.
Elbridge Washburn Rice,	Pontiac High School.	Pontiac.	117 D.
Anna Thomas Robinson,	Buffalo Normal School, N. Y.	Buffalo, N. Y.	Sn.
Mary Augusta Sargent,	Carleton College, Minn.	Bellerue, Ia.	5836 Drexel av.
Mary Emily Scarff,	Brockport State Normal School N. Y.	Bethany, N. Y.	Sn.
Frank Bowman Schermerhorn,	- - - - -	Boise City, Idaho.	Idaho State Bldg., Jackson Park.
Daniel Martin Schoemaker,	German American Acad., N. Y.	Muscatine, Ia.	116 D.
Jessie Belle Stover.	Univ. of So. Dak.	Centreville, S. Dak.	Sn.
Willard Coldren Stuckslager.	Cornell College, Ia.	Lisbon, Ia.	5403 Madison av.
Nellie Belle Swenehart,	Oberlin College.	Parkside.	941, 73d st.
Mary Chase Swett,	Cook County Normal School.	Chicago.	5006 Washington av.
Frances Maria Thomas,	Cook County Normal School.	Meyersdale, Pa.	Students' Hall, Engle- wood.
Charles Frederick Womeldorf,	Nebraska Central College.	Omaha, Neb.	103 D.
Vernie Emma Woodward,	Meriden High School, Conn.	Meriden, Conn.	Sn.

SUMMARY (SPRING QUARTER, 1893).

GRADUATE STUDENTS.	- - - - -	153
DIVINITY STUDENTS.	English Department,	142
	Danish-Norwegian Department,	8
	Swedish Department,	23
UNIVERSITY COLLEGE STUDENTS.	- - - - -	31
ACADEMIC COLLEGE STUDENTS.	- - - - -	139
UNCLASSIFIED STUDENTS,	- - - - -	56
TOTAL,	- - - - -	552

CONSTITUENCY OF CLASSES, SPRING QUARTER, 1893.

REMARKS: 1. The numbers of departments and courses correspond to those of CALENDAR No. 4, in the University proper, and the Divinity School. Courses which are given in both University and Divinity Schools are numbered in both. 2. All classes recite in Cobb Lecture Hall unless otherwise stated. The floors of this building are lettered, the first floor being A, and the rooms numbered. 3. Abbreviations: *C.* Cobb Lecture Hall; *g.* Graduate Student; *u.* University College Student; *a.* Academic College Student; *d.* Divinity Student. Where not otherwise designated the student is unclassified. 4. Figures in parentheses at the end of each list indicate the number of students taking the course. 5. In nearly all cases recitations occur every week-day except Monday. The hours of recitations can be ascertained at the University.

1. PHILOSOPHY.

C. 1, 10-12. (45 Students.)

1. Advanced Course in Psychology: Double Minor.

ASSOCIATE PROFESSOR STRONG.

Hamilton, <i>g</i>	Ogden,	Rogers, <i>g</i>
Kelly, <i>g</i>	Reynolds, W. F., <i>g</i>	Sisson, <i>u</i> (7)
Manchester, <i>u</i>		

2. Psychological Seminary: Double Minor.

ASSOCIATE PROFESSOR STRONG

Hamilton, *g* Manchester, *u* (2)

3. Movements of Thought in the Nineteenth Century: Double Minor.

ASSISTANT PROFESSOR TUFTS.

Chadbourn, <i>a</i>	Hayes, <i>g</i>	Mayham, <i>g</i>
Elder, <i>d</i>	Kelly, <i>g</i>	Osborn, <i>d</i>
Enslin, <i>d</i>	Kieve,	Runyan, <i>d</i>
Grant, <i>d</i>	Kurtz, <i>d</i>	Stonecipher, <i>d</i>
Griffin, <i>d</i>	Mac Naul, <i>d</i>	Tapp, <i>d</i>
Hamilton, <i>g</i>	Manchester, <i>u</i>	Thom, <i>d</i> (18)

4. History of Ethics: Double Minor.

ASSISTANT PROFESSOR TUFTS.

Attebury, <i>d</i>	Gaud, <i>u</i>	Mayham, <i>g</i>
Bale, <i>u</i>	Hunter, <i>a</i>	Morgan, <i>a</i>
Behan, <i>u</i>	Kelly, <i>g</i>	Prescott, <i>u</i>
Dickerson, <i>u</i>	Kieve,	Reynolds, W. F. <i>g</i> (12)

4a. Logic: Double Minor.

DR. MONIN.

Barrett, L.,	Gaud, <i>u</i>	Sinclair, <i>g</i>
Dexter,	Gill, <i>d</i>	de Swarte, <i>a</i>
Evans, <i>d</i>	Hurley, <i>d</i>	Whitson, <i>a</i> (10)
Ford, <i>d</i>	Parker, <i>d</i>	

4b. Modern German Philosophy: Double Minor.

DR. MONIN.

(Course not given.)

2. POLITICAL ECONOMY.

C. 3-5. (27 Students.)

5. Seminary in Political Economy: Double Minor.

PROFESSOR LAUGHLIN.

Breckenridge, <i>g</i>	Million, <i>g</i>	Winston, <i>g</i> (5)
Hoxie, <i>u</i>	Thompson, <i>g</i>	

* This course is numbered 5 in CALENDAR No. 4

6. Unsettled Problems of Economic Theory: Double Minor.

PROFESSOR LAUGHLIN.

Brown, F. C., <i>g</i>	Hoxie, <i>u</i>	de Swarte, <i>a</i>
Freer, <i>g</i>	Million, <i>g</i>	Taylor, <i>g</i>
Grant, <i>g</i>	Selian, <i>g</i>	Winston, A., <i>g</i> (10)
Hatfield, <i>g</i>		

7. Public Debts and Banking: Double Minor.

ASSOCIATE PROFESSOR A. C. MILLER.

Winston, A., *g* (1)

8. Tariff History of the United States: Double Minor. ASSOCIATE PROFESSOR A. C. MILLER.

Catterall, <i>g</i>	Hatfield, <i>g</i>	Stowe, <i>g</i>
Cobb,	Herron, <i>g</i>	Taylor, W. G., <i>g</i>
Conover, <i>g</i>	Million, <i>g</i>	Tunell, <i>g</i>
Freer, <i>g</i>	Northup, <i>g</i>	Williams, F. N., <i>g</i> (13)
Fryer, <i>u</i>		

9. Social Economics: Double Minor.

ASSOCIATE PROFESSOR BEMIS.

Conover, <i>g</i>	Perrine, C. B., <i>g</i>	Sinclair, <i>g</i> (4)
Martin,		

10. Scope and Method of Political Economy: Double Minor.

MR. CALDWELL.

Allen, J.,	de Swarte, <i>a</i>	Taylor, W. G., <i>g</i>
Breckenridge, <i>g</i>	Freer, <i>g</i>	Thompson, C. S., <i>g</i>
Brown, F. C., <i>g</i>	Stowe, <i>g</i>	Williams, F. N., <i>g</i> (9)

11. Socialism: Double Minor.

MR. VEBLIN.

Barnes, <i>g</i>	Hatfield, <i>g</i>	Selian, <i>g</i> (5)
Curtis, <i>a</i>	Northup, <i>g</i>	

11a. Statistics: Double Minor. MR. HATHAWAY. (Course not given.)

3. POLITICAL SCIENCE.

C. 5-9. (12 Students.)

12. Comparative Politics: Minor. First Term.

PROFESSOR JUDSON.

Blue, <i>g</i>	Leavitt, <i>g</i>	Wallace, <i>g</i>
Chandler, <i>g</i>	Mathes, <i>g</i>	Wallin, <i>g</i>
Cobb,	Selian, <i>g</i>	Webster, <i>g</i>
Dingee, <i>a</i>	Thompson, <i>g</i>	Wilcox, <i>g</i> (12)

13. Comparative Politics: Minor. Second Term.

PROFESSOR JUDSON.

Blue, <i>g</i>	Leavitt, <i>g</i>	Wallace, <i>g</i>
Chandler, <i>g</i>	Mathes, <i>g</i>	Wallin, <i>g</i>
Cobb,	Selian, <i>g</i>	Webster, <i>g</i>
Dingee, <i>a</i>	Thompson, <i>g</i>	Wilcox, <i>g</i> (12)

4. HISTORY.

C. 5-7. (104 Students.)

14. Seminary: Double Minor.

PROFESSOR VON HOLST.

Catterall, <i>g</i>	Lewis, <i>g</i>	Ridpath, <i>u</i>
Chandler, <i>g</i>	Perrin, <i>g</i>	Wallin, <i>g</i>
Davies, J. M. <i>g</i>	Prescott, <i>u</i>	Webster, <i>g</i>
Hodgin, <i>g</i>	Reynolds, <i>g</i>	Wilkinson, E. <i>g</i> (13)
Leavitt, <i>g</i>		

16. The French Revolution and the Era of Napoleon: Double Minor.

PROFESSOR VON HOLST.

Bale, <i>u</i>	Hodgin, <i>g</i>	Perrin, <i>g</i>
Boomer, <i>a</i>	Hubbard, <i>g</i>	Ridpath, <i>u</i>
Breckenridge, <i>g</i>	Kieve, <i>g</i>	Robinson, <i>g</i>
Chadbourne, <i>u</i>	Leavitt, <i>g</i>	Rogers, M. J. <i>a</i>
Chandler, <i>g</i>	Matz, <i>g</i>	Seofield, <i>g</i>
Dingee, <i>a</i>	Mathes, <i>g</i>	Vineent, <i>g</i>
Gerry, <i>d</i>	Morphy, <i>g</i>	Walker, F. H. <i>u</i>
Gilbert, <i>u</i>	Northrup, <i>a</i>	Wallace, <i>g</i> (25)
Gunn, <i>g</i>		

17. The Political History of Europe since 1815: Minor.

First Term.

PROFESSOR JUDSON.

Baldwin, <i>g</i>	Gunn, <i>g</i>	Rullkoetter, <i>a</i>
Behan, <i>u</i>	Hodgin, <i>g</i>	Seofield, <i>g</i>
Blue, <i>g</i>	Lewis, <i>g</i>	Shaw, <i>u</i>
Brown, F. C. <i>g</i>	Loeb, <i>u</i>	Spencer, <i>g</i>
Catterall, <i>g</i>	Miller, M. L. <i>g</i>	Swett, <i>g</i>
Davies, J. M. <i>g</i>	Ogdon, <i>a</i>	Tenney, <i>g</i>
Dingee, <i>a</i>	O'Connor, <i>g</i>	Thompson, <i>g</i>
Gilbert, <i>u</i>	Perrin, <i>g</i>	Wileox, <i>g</i> (24)

18. The Political History of Europe since 1815: Minor.

Second Term.

PROFESSOR JUDSON.

Baldwin, <i>g</i>	Gunn, <i>g</i>	Perrin, <i>g</i>
Blue, <i>g</i>	Hodgin, <i>g</i>	Rullkoetter, <i>a</i>
Brown, F. C. <i>g</i>	Lewis, <i>g</i>	Seofield, <i>g</i>
Catterall, <i>g</i>	Loeb, <i>u</i>	Shaw, <i>u</i>
Davies, J. M. <i>g</i>	Miller, M. L. <i>g</i>	Swett, <i>g</i>
Dingee, <i>a</i>	O'Connor, <i>g</i>	Thompson, <i>g</i>
Gilbert, <i>u</i>	Ogdon, <i>a</i>	Wileox, <i>g</i> (21)

19. Seminary: Double Minor.

PROFESSOR TERRY.

Tupper, *u* (1)

20. The Holy Roman Empire: Double Minor.

PROFESSOR TERRY.

Blue, <i>g</i>	Gunn, <i>g</i>	Seofield, <i>g</i>
Catterall, <i>g</i>	Loeb, <i>u</i>	Thompson, <i>g</i>
Chandler, <i>g</i>	McKinley, <i>g</i>	Tupper, <i>u</i>
Colyer, <i>g</i>	Murphy, <i>a</i>	Wileox, <i>g</i> (12)

21. The History of Babylonia and Assyria: Minor.

Second Term.

ASSOCIATE PROFESSOR GOODSPEED.

Bower, <i>d</i>	Colyer, <i>g</i>	Sanders, <i>d</i>
Brinstad, <i>d</i>	Harris, <i>d</i>	Stueker, <i>d</i>
Brown, <i>u</i>	Marot, <i>u</i>	Theobald, <i>d</i> (10)
Carroll, <i>d</i>		

22. Early American History: Minor. First Term.

DR. SHEPARDSON.

Chadbourne, <i>u</i>	Dudley, <i>a</i>	Smith, H. J., <i>a</i>
Chapin, <i>g</i>	Martin, <i>g</i>	Vaughan, <i>a</i>
Dixon, <i>a</i>	Rubovits, <i>a</i>	Walls, <i>a</i> (9)

23. Territorial Growth of the United States: Minor. First Term. (Course not given.)

DR. SHEPARDSON.

24. Presidential Elections in the United States: Minor. Second Term. (Course not given.)

DR. SHEPARDSON.

25. The Latin American Republics: Double Minor.

MISS WALLACE.

Axelson, <i>a</i>	Chace, <i>a</i>	Messiek, <i>a</i>
Bliss, <i>a</i>	Hewitt, <i>a</i>	Purecell, <i>a</i>
Butler, S. E., <i>a</i>	Hulbert, <i>a</i>	Smith, K. A., <i>a</i> (10)
Caraway, <i>a</i>		

26. Outline History of England: Minor. First Term.

MR. THATCHER.

Carroll, <i>a</i>	Goldberg, <i>a</i>	McCalla, <i>g</i>
Castle, <i>a</i>	Jameson, <i>a</i>	Morgan, <i>a</i> (8)
Bennett, <i>a</i>	Marot, <i>a</i>	

26a. Special Research, under the direction of

PROFESSOR JUDSON.

Mathes, <i>g</i>	Tunell, <i>g</i>	Wallin, <i>g</i> (3)
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[12.] History of Europe since 1815: Double Minor.

DR. SCHWILL.

Arnold, O. J., <i>a</i>	Foster, <i>a</i>	Mix, <i>a</i>
Atwood, H. F., <i>a</i>	George, <i>g</i>	Moran, <i>a</i>
Atwood, W. W., <i>a</i>	Heil, <i>a</i>	Rapp, <i>a</i>
Baehellé, <i>a</i>	King, <i>g</i>	Smith, K., <i>a</i>
Barrett, L. E., <i>a</i>	Kohlsaat, <i>a</i>	Stowell, <i>a</i>
Beatty, <i>a</i>	Lansingh, <i>a</i>	Walker, <i>g</i>
Castle, <i>a</i>	Mills, <i>a</i>	Wolff, <i>a</i> (22)
Clark, F. B., <i>a</i>		

5. SOCIAL SCIENCE AND ANTHROPOLOGY.

C. 2-8. (71 Students.)

27. Seminary: Double Minor. PROFESSOR SMALL.

Barnes, <i>g</i>	Halsell, <i>g</i>	Vineent, <i>g</i>
Clark, <i>g</i>	Hayes, <i>g</i>	Waldron, <i>g</i> (8)
Davies, A. F., <i>g</i>	Spencer, <i>g</i>	

28. Laboratory Work: Double Minor.

ASSISTANT PROFESSOR STARR.

Miller, M. L., *g* (1)

29. Prehistoric Archaeology: Double Minor.

ASSISTANT PROFESSOR STARR.

Cabeen, <i>d</i>	Loeb, <i>u</i>	Pearce, <i>d</i>
Davies, A. F., <i>g</i>	Miller, <i>g</i>	Waldo, <i>d</i>
Elliott, <i>d</i>	Nichols, W. H., <i>d</i>	Williams, A., <i>g</i>
Euslin, <i>d</i>	Nichols, E. B., <i>d</i>	Williams, W., <i>g</i> (13)
Fradenburg, <i>d</i>		

30. Physical Anthropology: Laboratory Work: Double Minor.

ASSISTANT PROFESSOR STARR.

31. Methodology of Social Science: Double Minor.

PROFESSOR SMALL.

Clark, <i>g</i>	Hayes, <i>g</i>	Spencer, <i>g</i>
Davies, A. F., <i>g</i>	Herron, <i>g</i>	Thom, <i>d</i>
Gerry, <i>d</i>	Northup, <i>g</i>	Vincent, <i>g</i>
Gow, <i>g</i>	Osborn, <i>d</i>	Waldron, <i>g</i> (14)
Halsell, <i>g</i>	Runyan, <i>d</i>	

32. The Economy of Living: Double Minor.

ASSISTANT PROFESSOR TALBOT.

(Course not given.)

32a. Seminary in Sanitary Science: Double Minor.

ASSISTANT PROFESSOR TALBOT.

Cary, *u* (1)**33. Some Phases of Contemporary Sociology: Double Minor.**

ASSOCIATE PROFESSOR BEMIS.

Conover, <i>g</i>	Morphy, <i>g</i>	Shaw, <i>u</i>
Halsell, <i>g</i>	Perrine, C. B., <i>g</i>	Sinclair, <i>g</i> (8)
Martin, <i>g</i>	Proctor, <i>d</i>	

34. Non-Political and Non-Economical Social Groups: Double Minor.

ASSISTANT PROFESSOR HENDERSON.

Allen, <i>d</i>	Elliott, <i>d</i>	Newcomb, <i>d</i>
Balc, <i>u</i>	Falls, <i>d</i>	Noftzinger, <i>d</i>
Behan, <i>u</i>	Ford, <i>d</i>	Post, <i>d</i>
Blanchard, <i>d</i>	Fradenberg, <i>d</i>	Prescott, <i>u</i>
Bowen, <i>d</i>	Gray, <i>d</i>	Price, <i>d</i>
Bower, <i>d</i>	Griffin, <i>d</i>	Stucker, <i>d</i>
Brinstad, <i>d</i>	Griffith, <i>d</i>	Sanders, <i>d</i>
Burdick, <i>d</i>	Halbert, <i>d</i>	Smith, <i>d</i>
Case, <i>d</i>	Heminway, <i>d</i>	Starkweather, <i>d</i>
Clark, <i>g</i>	Kinney, <i>d</i>	Tapp, <i>d</i>
Coon, <i>d</i>	Lockhart, <i>d</i>	Theobald, <i>d</i>
Davis, <i>d</i>	Loeb, <i>u</i>	Urch, <i>g</i>
Dickerson, <i>u</i>	McEwan, <i>d</i>	Waldron, <i>g</i>
Dye, <i>d</i>	MacNaul, <i>d</i>	Williams, A., <i>g</i>
Eakin, <i>d</i>	Mills, <i>d</i>	Williams, W., <i>g</i>
Elder, <i>d</i>	Morphy, <i>g</i>	Wyant, <i>d</i> (48)

6. COMPARATIVE RELIGIONS.*D.* (11 Students.)**35. The Religions of Greece, Rome and Northern Europe: Double Minor:**

ASSOCIATE PROFESSOR GOODSPEED.

(Course not given.)

36. Egyptian Religious Texts: Minor. First Term.

ASSOCIATE PROFESSOR GOODSPEED.

Allen, <i>d</i>	Marot, <i>u</i>	Parker, <i>d</i>
Frantz, <i>d</i>	Nichols, W. H., <i>d</i>	Shaw, <i>d</i>
Jones, L. A., <i>g</i>	Nichols, E. B., <i>d</i>	Soares, <i>g</i> (10)
Jones, H. F., <i>d</i>		

37. Babylonian Religious Texts: Minor. Second Term:

ASSOCIATE PROFESSOR GOODSPEED.

Cabeen, <i>d</i>	Case, <i>d</i>	Nichols, W. H., <i>d</i>
Carroll, <i>d</i>	Frantz, <i>d</i>	Nichols, E. B., <i>d</i> (6)

7. THE SEMITIC LANGUAGES AND LITERATURES.*D.* 12-16. (38 Students.)**38. Early Old Testament Traditions: Double Minor. (111 Div.)**

PROFESSOR HARPER.

Archibald, <i>g</i>	Hulley, L. <i>g</i>	Soares, <i>g</i>
Asada, <i>g</i>	Hulley, E., <i>g</i>	Van Horn, <i>d</i>
Burdick, <i>d</i>	Jones, <i>g</i>	Whaley, <i>g</i>
Crawford, <i>g</i>	Mallory, <i>g</i>	Willett, <i>g</i>
Drefs, <i>d</i>	Myhrman, <i>d</i>	Wyant, <i>d</i> (17)
Grant, <i>d</i>	Rollins, <i>g</i>	

39a. Ethiopic: Minor. First Term.

PROFESSOR HARPER.

Asada, <i>g</i>	Goodspeed, E. J., <i>g</i>	Rollins, <i>g</i>
Berry, <i>g</i>	Hulley, L., <i>g</i>	Willett, <i>g</i> (7)
Drefs, <i>d</i>		

39b. Comparative Semitic Grammar: Minor. Second Term.

PROFESSOR HARPER.

(Course not given.)

40. Targumic Aramaic: Double Minor.

PROFESSOR HIRSCH.

Drefs, <i>d</i>	Leiser, <i>a</i>	Sperans, (3)
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41. The Psalms: Double Minor.

ASSOCIATE PROFESSOR PRICE.

Archibald, <i>g</i>	Hulley, E., <i>g</i>	Scovell, <i>d</i>
Blake, <i>d</i>	Hulley, L., <i>g</i>	Soares, <i>g</i>
Burdick, <i>d</i>	Jones, <i>g</i>	Whaley, <i>g</i> (11)
Drefs, <i>d</i>	Newcomb, <i>d</i>	

43. Assyrian: Minor. Second Term.

ASSOCIATE PROFESSOR PRICE.

Hulley, L., <i>g</i>	Mallory, <i>g</i>	Whaley, <i>g</i>
Howard, <i>d</i>	Rollins, <i>g</i>	Willett, <i>g</i> (6)

44a. Historical Hebrew: Minor. First Term.

(109 Div.) ASSOCIATE PROFESSOR R. F. HARPER.

Allen, <i>d</i>	Fisk, <i>d</i>	Nordlander, <i>d</i>
Anderson, <i>d</i>	Grant, <i>d</i>	Proctor, <i>d</i>
Cabeen, <i>d</i>	Harris, <i>d</i>	Salquist, <i>d</i>
Criswell, <i>d</i>	Hunter, <i>a</i>	Waldo, <i>d</i>
Davis, <i>d</i>	Mallory, <i>g</i>	Wood, <i>d</i> (16)
Everitt, <i>d</i>		

44b. The Book of Micah: Minor. Second Term.

(110 Div.) ASSOCIATE PROFESSOR R. F. HARPER.

Cabeen, <i>d</i>	Jones, <i>g</i>	Soares, <i>g</i> (5)
Harris, <i>d</i>	Proctor, <i>d</i>	

45a. Assyrian and Babylonian Inscriptions: Double Minor.

ASSOCIATE PROFESSOR R. F. HARPER.

Asada, <i>g</i>	Berry, <i>g</i>	Goodspeed, E. J., <i>g</i> (3)
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45b. Assyrian Historical Inscriptions: Minor. First Term.

ASSOCIATE PROFESSOR R. F. HARPER.

Hulley, E., <i>g</i>	Mallory, <i>g</i>	Whaley, <i>g</i>
Hulley, L., <i>g</i>	Rollins, <i>g</i>	Willett, <i>g</i> (7)
Howard, <i>d</i>		

46. Advanced Syriac: Double Minor.

PROFESSOR HIRSCH.

Berry, <i>g</i>	Goodspeed, E. J., <i>g</i>	Payne, <i>d</i> (4)
Blake, <i>d</i>		

47. The Books of Chronicles: Minor. First Term. (108 Div.)

DR. CRANDALL.

(Course not given.)

48a. Job: Minor. Second Term.

DR. KENT.

(112 Div.) (Course not given.)

48b. The Song of Songs: Minor. First Term.

(113 Div.) (Course not given.) DR. KENT.

8. BIBLICAL AND PATRISTIC GREEK.*D.* 10-12, (9 Students.)**49. Rapid Translation of Portions of the Septuagint: Minor. Second Term.**

MR. ROOT.

(Course not given.)

50. Textual Criticism of the New Testament :
(116 Div.) Minor. First Term.

PROFESSOR BURTON.

Chapin, <i>d</i>	Herrick, <i>d</i>	Heyland, <i>d</i>
Frantz, <i>d</i>	Hulley, E., <i>g</i>	Orr, <i>d</i> (7)
Hanson, <i>d</i>		

51. Studies in the Apostolic Fathers : Minor. Second Term.

PROFESSOR BURTON.

Hulley, E., <i>g</i>	Rogers, <i>g</i> (2)
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52. The Greek of the New Testament : Minor.
First Term.

MR. VOTAW.

(Course not given.)

53. Sources and Relations of the Four Gospels :
Minor. Second Term.

MR. VOTAW.

(Course not given.)

9. THE GREEK LANGUAGE AND LITERATURE.

B. 2-8. (44 Students.)

55. Seminary: Double Minor. PROFESSOR SHOREY.

Alderson, <i>g</i>	Ewart, <i>g</i>	Owen, <i>g</i>
Banta, <i>g</i>	Hill, <i>g</i>	Valentine, <i>g</i> (8)
Brewer, <i>g</i>	Matteson, <i>g</i>	

56. Introduction to the Study of the Greek Drama:
Double Minor.

PROFESSOR SHOREY.

Clark, <i>a</i>	Roche, <i>a</i>	Taylor, <i>a</i>
Graves, <i>a</i>	Swenchart, <i>a</i>	Van Vliet, <i>a</i>
Logie, <i>a</i>	Sisson, <i>u</i>	Willis, <i>a</i> (10)
Raycroft, <i>a</i>		

57. Sophocles, Trachiniae, Ajax and Philoctetes:

Double Minor. ASSISTANT PROFESSOR CAPPS.

Jones, F. A. <i>g</i>	Willis, <i>u</i> (2)
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58. Isocrates and the Predecessors of Demosthenes:
Double Minor.

ASSISTANT PROFESSOR CASTLE.

Webster, *a* (1)

[2] Lysias and Odyssey: Double Minor.

ASSISTANT PROFESSOR CAPPS.

Agista, <i>a</i>	Hulshart, <i>a</i>	Moore, <i>a</i>
Beatty, <i>a</i>	Jameson, <i>a</i>	Mix, <i>a</i>
Bliss, <i>a</i>	Johnson, R., <i>a</i>	Stone, <i>a</i>
Dibell, <i>a</i>	Minnick, <i>a</i>	Wallace, <i>a</i> (13)
Haven, <i>a</i>		

[3] Demosthenes, Phillippics and Olynthiacs: Double
Minor.

ASSISTANT PROFESSOR CASTLE.

Axleson, <i>a</i>	Hulbert, <i>a</i>	Smith, H. J. <i>a</i>
Brandt, <i>a</i>	Johnson, V. O., <i>a</i>	Smith, Kenneth <i>a</i>
Curtis, <i>a</i>	Kerr, <i>a</i>	Smith, Katherine, <i>a</i>
Ellis, <i>a</i>	Logie, <i>a</i>	Taylor, T. J., <i>a</i>
Friedman, H. J. <i>a</i>	Moffatt, <i>a</i>	Woodward, (16)
Hughes, <i>a</i>	Ryder, <i>u</i>	

10. THE LATIN LANGUAGE AND LITERATURE.

B. 2-8. (61 Students.)

59. Seminary: Double Minor. PROFESSOR HALE.

Brewer, <i>g</i>	Fowler, <i>g</i>	Owen, <i>g</i>
Dame, <i>g</i>	Howard, <i>g</i>	Pellett, <i>g</i>
Ely, <i>g</i>	Linscott, <i>g</i>	Valentine, <i>g</i> (9)

60. Seminary: Double Minor.

† (Course not given.) PROFESSOR CHANDLER.

61. Roman Private Life: Double Minor.

PROFESSOR HALE.

Alderson, <i>g</i>	Ewart, <i>g</i>	Pellett, <i>g</i>
Babcock, <i>u</i>	Gilbert, <i>u</i>	Rulkoetter, <i>u</i>
Brewer, <i>g</i>	Harley, <i>g</i>	Shaw, <i>a</i>
Chadbourne, <i>a</i>	Hayward, <i>g</i>	Sisson, <i>u</i>
Dame, <i>g</i>	Howard, <i>g</i>	Speer, <i>a</i>
Daniels, <i>u</i>	Jackson, <i>g</i>	Vaughan, <i>a</i>
Dingee, <i>a</i>	Jones, F. N. <i>g</i>	Webster, <i>a</i>
Ely, <i>g</i>	Matteson, <i>g</i>	Woods, <i>a</i> (24)

62. The History of Roman Literature: Double Minor.

† (Course not given.) PROFESSOR CHANDLER.

63. The Writing of Latin: Minor. Second Term.

† (Course not given.) PROFESSOR CHANDLER.

64. Introduction to Latin Epigraphy and Palæography:
Double Minor.

ASSOCIATE PROFESSOR ABBOTT.

Alderson, <i>g</i>	Dame, <i>g</i>	Ewart, <i>g</i>
Babcock, <i>a</i>	Ely, <i>g</i>	Valentine, <i>g</i> (7)
Banta, <i>g</i>		

*64a Terence :

MISS BANTA.

Babcock, <i>a</i>	Daniels, <i>a</i>	Dingee, <i>a</i> (4)
Dame, <i>g</i>		

[4] Selections from Cicero, Livy: Double Major.

DR. F. J. MILLER.

Adkinson, <i>a</i>	Furness, <i>a</i>	Robertson, S. <i>a</i>
Atwood, H. F.	Gale, <i>a</i>	Roche, <i>a</i>
Browne, A. <i>a</i>	Gettys, <i>a</i>	Ryder, <i>a</i>
Butler, D. <i>a</i>	Hughes, <i>a</i>	Sampson, <i>a</i>
Clark, G.	Jackson, <i>g</i>	Taylor, <i>a</i>
De Graff, C. <i>a</i>	Lowry, <i>a</i>	Wales, <i>a</i>
Diver, <i>a</i>	Mix, <i>a</i>	Winston, <i>a</i>
Dixon, <i>a</i>	Raycroft, <i>a</i>	Wolff, H. D. <i>a</i> (24)

[5] The Phormio of Terence: Double Minor.

ASSOCIATE PROFESSOR ABBOTT.

Agerter, <i>a</i>	Clark, F. B. <i>a</i>	Spalding, M. <i>a</i>
Barrett, L. <i>a</i>	Daniels, <i>u</i>	Walker, G. <i>a</i>
Baird, <i>a</i>	Hulshart, <i>a</i>	Williston, <i>a</i>
Beatty, <i>a</i>	Moran, <i>a</i>	Woods, <i>a</i> (13)
Byrne, <i>a</i>		

† On account of the absence of Instructor.

* Not in Calendar.

11. COMPARATIVE PHILOLOGY.

B. 2-8. (5 Students.)

65. Old Persian: Double Minor.

ASSISTANT PROFESSOR BUCK.

Fowler, <i>g</i>	Jones, <i>g</i>	Owen, <i>g</i> (5)
Harley, <i>g</i>	Linscott, <i>g</i>	

66. Seminary: Double Minor.

ASSISTANT PROFESSOR BUCK.

Fowler, <i>g</i>	Linscott, <i>g</i>	Owen, <i>g</i> (4)
Harley, <i>g</i>		

12. ROMANCE LITERATURE AND PHILOLOGY.

B. 12-16. (74 Students.)

67. Origin and Early History of the French Language: Double Minor. PROFESSOR KNAPP.

Cabeen, *g* Cutler, *g* (2)

68. Origin and Early History of the Spanish Language: Double Minor. PROFESSOR KNAPP.

Cutler, *g* Wallace, *g* (2)

69. Special Course of Conversation (French): Double Minor. ASSISTANT PROFESSOR BERGERON.

Goldberg, *a* Ridpath, *u* Weingarten, *a* (4)
Mayham, *g*

70. Literature of the Nineteenth Century: Double Minor. ASSISTANT PROFESSOR BERGERON.

Cary, *u* Kellogg, *a* Wolff, *a*
Cobb, *a* Kohlsaat, *a* Stover.
Dudley, *a* McGillivray, *a* Tolman, *a* (11)
Guyer, *a* Purcell, *a*

71. Elements of French Philology: Minor. First Term. ASSISTANT PROFESSOR BERGERON.

Cabeen, *g* Cutler, *g* Witkowsky, *g* (3)

72. Grammar of Old French: Minor. Second Term. ASSISTANT PROFESSOR BERGERON.

Cabeen, *g* Cutler, *g* Witkowsky, *g* (3)

73. Italian: Double Minor. DR. KINNE.

Coddington, *a* Joralman, *u* Radford, *a*
Gaud, *u* Von Holst, *u* Ridpath, (6)

74. Spanish: Double Minor. PROFESSOR KNAPP,

Aldrich, Cary, *u* Shaw, *u*
Boomer, *a* Coddington, *a* Witkowsky, *g* (7)
Cabeen, *g*

[6] Elements of French Literature: Double Minor.

ASSISTANT PROFESSOR BERGERON.

Bachelé, *a* Leiser, *a* Robinson, A.,
Baldwin, McClintock, A., *a* Scarff,
Bell, *a* McClintock, S., *a* Thomas,
Fox, Messick, *a* Woodward, (13)
King,

[7] Beginning French: Double Minor.

DR. KINNE.

Bachelé, *a* Ellis, *u* Pike, *a*
Baldwin, Gallion, Rice,
Barrett, L., *a* Hale, Robinson,
Bell, *a* Heil, *a* Rogers, *a*
Bennett, *a* Joralman, *u* Sampson, *a*
Bowers, *a* King, Sass, *a*
Burks, *u* Leiser, *a* Scarff,
Butler, S. E., *a* McCalla, Schoemaker,
Byrne, *a* McClintock, A., *a* Speer, *a*
Campbell, J. T. McClintock, S., *a* Sweet,
Colyer, Messick, *a* Thomas,
Conner, Milliken, *a* Walker, G., *a*
Dixon, C. H., *a* Moss, *a* Wheeler, *a*
Dore, *a* Murphy, *a* Whitson, *a*
Fox, Neal, *a* Woodward, (46)
Friedman, J. C. *a*

13. GERMANIC LANGUAGES AND LITERATURES.

B. 12-16. (67 Students.)

75. Old High German: Minor. First Term. DR. VOS.

Haire, *g* Kern, *g* (2)

76. Middle High German: Minor. Second Term. DR. VOS.

Haire, *g* Kern, *g* (2)

77. Seminary: Double Minor.

ASSISTANT PROFESSOR CUTTING, DR. VOS.

Brandt, *a* Haire, *g* Scarff,
Clark, H. L., *a* Hall, Witkowsky, *g* (8)
Goldberg, *a* Kern, *g*

78. Goethe's Storm and Stress Period: Minor. First Term. ASSISTANT PROFESSOR CUTTING.

Haire, *g* Schoemaker, Witkowsky, *g* (4)
Radford, *a*

79. Goethe's Period of Classical Sympathies: Double Minor. ASSISTANT PROFESSOR CUTTING.

Brandt, *a* Haire, *g* Radford, *a*
Clarke, H. L. *a* Hall, Scarff, (7)
Goldberg, *a*

80. Schiller: Minor. First Term.

ASSISTANT PROFESSOR CUTTING.

Axelson, *a* Friedman, *a* Minard, *a*
Butler, E. S., *a* Goodhue, *a* Scarff,
Berry, Hall, J. M., Sperans,
Clarke, H. L., *a* Johnson, V. O., *a* Whitson, *a*
Coddington, *a* Lanning, *a* Walker, F. M. *a*
Coolidge, *a* Leiser, *a* Weingarten, *a* (19)
Foster, E. B., *a*

81. Schiller: Minor. Second Term.

ASSISTANT PROFESSOR CUTTING.

Clarke, H. L., *a* Johnson, V. O., *a* Scarff
Coolidge, *a* Lanning, *a* Sperans,
Friedman, *a* Leiser, *a* Weingarten, (11)
Goodhue, *a* Rubovits, *a*

82. Schiller: Double Minor.

DR. SCHWILL.

Clark, F. B., *a* Scarff, *u* Williston, *a*
Haven, *a* Sisson, *u* Wolff, H. D., *a* (7)
Lansingh,

[8] Novellettenbibliothek I and II: Double Minor.

DR. VOS.

Bale, *u* Gale, *a* Nichols, *a*
Bliss, *a* Gettys, *a* Robinson, A.,
Burks, *u* Heil, *a* Smith, H. J., *a*
Butler, S. E., *a* Hulbert, *a* Smith, K. A., *a*
Campbell, J. T., Minard, *a* Todd, *a*
Ellis, *u* Moss, *a* Walls, *a* (18)

[9a] Comedies: Minor. First Term. DR. VOS.

Adkinson, *a* Freyer, *u* McCalla,
Braum, Goodhue, *a* McClintock, A., *a*
Brown, L., *a* Graves, *a* McClintock, S., *a*
Burks, *u* Hartley, *a* Mills, *a*
Burns, *a* Heil, *a* Nichols, *a*

Carroll, <i>a</i>	Holloway, <i>a</i>	Purell, <i>a</i>
Castle, <i>a</i>	Hurlbut, <i>a</i>	Rice,
Chapin,	Hyman, <i>a</i>	Stevens. <i>a</i>
Coolidge, <i>a</i>	Jackson, <i>a</i>	Willis, <i>u</i> (27)

[9b] **Prose Composition:** Minor. Second Term.

ASSISTANT PROFESSOR CUTTING.

Adkinson, <i>a</i>	Coolidge, <i>a</i>	Leiser, <i>a</i>
Braam,	Gettys, <i>a</i>	McCalla,
Brown, L., <i>a</i>	Goodhue, <i>a</i>	McClintock, A., <i>a</i> .
Burns, <i>a</i>	Graves, <i>a</i>	McClintock, S., <i>a</i>
Burks, <i>u</i>	Hall,	Mills, <i>a</i>
Carroll, <i>a</i>	Hartley, <i>a</i>	Nichols, <i>a</i>
Castle, <i>a</i>	Holloway, <i>a</i>	Purell, <i>a</i>
Chapin,	Hurlbut, <i>a</i>	Rice,
Clark, F. B., <i>a</i>	Jackson, <i>a</i>	Stevens, <i>a</i> (27)

14. ENGLISH LANGUAGE AND LITERATURE AND RHETORIC.

B. 9-11. (108 Students.)

85. Old English Seminary: Double Minor.

ASSISTANT PROFESSOR BLACKBURN.

Conner, <i>g</i>	Lewis, <i>g</i> (2)
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86. English Literature Seminary: Double Minor.

ASSISTANT PROFESSOR MCCLINTOCK.

Austin,	Hayward, <i>g</i>	Milliman, <i>g</i>
Allen, <i>g</i>	Hooper, <i>g</i>	Pratt, <i>g</i>
Burr, <i>g</i>	Lathe, <i>g</i>	Reynolds, <i>g</i>
Carpenter, N. J.,	Lewis, <i>g</i>	Wells, <i>g</i>
Carpenter, F. I., <i>g</i>	Mead, <i>g</i>	Wilkinson, M., <i>g</i> (16)
Conner, <i>g</i>		

87. Comparative Grammar of Old English: Double Minor. ASSISTANT PROFESSOR BLACKBURN.

Brainerd, <i>g</i>	Lewis, <i>g</i>	Otis, <i>a</i> (5)
Coburn, <i>g</i>	Milliman, <i>g</i>	

88. Middle English: Double Minor.

ASSISTANT PROFESSOR BLACKBURN.

Brainerd, <i>g</i>	Hooper, <i>g</i>	Swingley, <i>g</i>
Burr, <i>g</i>	Matz,	Walker, F., <i>u</i>
Carpeuter, N. J., <i>g</i>	Milliman, <i>g</i>	Wells, <i>g</i>
Davies, J. M., <i>g</i>	Robinson,	Willis, <i>u</i> (13)
Fox,		

89. Elizabethan Literature: Double Minor.

ASSISTANT PROFESSOR CROW.

Brainerd, <i>g</i>	Haven, <i>a</i>	Otis, <i>n</i>
Castle, <i>a</i>	McGorray,	Spaulding, <i>a</i>
Foster, E. B., <i>a</i>	Moore, <i>a</i>	Swingley, <i>g</i> (10)
Fox,		

89a. Elizabethan Seminary: Double Minor.

ASSISTANT PROFESSOR MCCLINTOCK.

Carpenter, F. I., <i>g</i>	Lewis, <i>g</i>	Reynolds, M., <i>g</i> (3)
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90. Nineteenth Century English: Double Minor.

MR. TRIGGS.

Baird, <i>a</i>	Curtis, <i>a</i>	McGoray,
Bell, <i>a</i>	Dibell, <i>a</i>	Moran, <i>a</i>
Bennett, <i>a</i>	Fletcher, <i>a</i>	McGillivray, <i>a</i>
Berry,	Goodhue, <i>a</i>	Smith, <i>a</i>
Boomer, <i>a</i>	Hurlbut, <i>a</i>	Spalding, <i>a</i>

Brown, <i>a</i>	Jackson, <i>a</i>	Stowell, <i>a</i>
Byrne, <i>a</i>	Johnson, <i>a</i>	Sweeneyhart, <i>a</i>
Chapin, <i>a</i>	Lanning, <i>a</i>	Van Vliet, <i>a</i>
Coddington, <i>a</i>	Lathe, <i>g</i>	Walls, <i>a</i>
Coolidge, <i>a</i>	Logie, <i>a</i>	Williston, <i>a</i> (30)

91. Poetics: Double Minor. PROFESSOR WILKINSON.

Allen, <i>d</i>	Dickerson, <i>u</i>	Martin, <i>a</i>
Austin,	Everett, <i>d</i>	McGorray,
Boynton, <i>d</i>	Fletcher, <i>a</i>	Orr, Mrs., <i>d</i>
Brunzell,	Fryer, <i>u</i>	Radford, <i>a</i>
Carpenter, <i>g</i>	Gaud, <i>u</i>	Roosa, <i>u</i>
Carroll, <i>a</i>	Hooper, <i>g</i>	Walker, F. M., <i>u</i>
Clarke, H. L., <i>a</i>	Maddocks, <i>g</i>	Wilkinson, <i>g</i> (22)
Coburn, <i>g</i>		

92. The Historical Monograph and the Short Story: Double Minor. PROFESSOR WILKINSON.

Austin,	Kohlsaat, <i>u</i>	Peterson, <i>d</i>
Brunzell,	Lathe, <i>g</i>	Radford, <i>a</i>
Burr, <i>g</i>	Lanning, <i>a</i>	Roosa, <i>a</i>
Dudley, <i>a</i>	Maddocks, <i>g</i>	Spaulding, <i>a</i>
Ely, <i>g</i>	Murphy, <i>a</i>	Wilkinson, M., <i>g</i> (15)

92a. Research Work: Under

ASSISTANT PROFESSOR MCCLINTOCK.

Hayward, <i>g</i>	Pratt, <i>g</i>	Wells, <i>g</i> (3)
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[9c.] Rhetoric and Composition: Double Minor.

ASSOCIATE PROFESSOR BUTLER.

ASSISTANT PROFESSOR CROW.

Bachelé, <i>a</i>	Dore, <i>a</i>	Moss, <i>a</i>
Barker, <i>a</i>	Friedman, J. C., <i>a</i>	Nichols, <i>a</i>
Beatty, <i>a</i>	Goodhue, <i>a</i>	Rapp, <i>a</i>
Boomer, <i>a</i>	Graves, <i>a</i>	Roche, <i>a</i>
Burns, <i>a</i>	Hartley, <i>a</i>	Sperans,
Butler, D., <i>a</i>	Hulshart, <i>a</i>	Stevens, <i>a</i>
Byrne, <i>a</i>	Jameson, <i>a</i>	Van Vliet, <i>a</i>
Caraway, <i>a</i>	Kerr, <i>a</i>	Vaughan, <i>a</i>
Coolidge, <i>a</i>	Knapp, <i>a</i>	Walling, <i>a</i>
Dexter,	McKinley,	Willis, <i>a</i>
Diver, <i>a</i>	Moffatt, <i>a</i>	Williston, <i>a</i>
Dixon,	Moore, <i>a</i>	Woodward, (36)

[9d.] An Introduction to the Study of Literature: Double Minor.

ASSISTANT PROFESSOR MCCLINTOCK.

Boomer, R. M., <i>a</i>	Goss,	Rapp, <i>a</i>
Bowers,	Hubbard,	Rogers, <i>a</i>
Brown, F. P., <i>a</i>	Hurlbut, <i>a</i>	Sargent,
Butler, D. <i>a</i>	Matz,	Sass, <i>a</i>
Conner	McClintock, A. <i>a</i>	Speer, <i>a</i>
Fox,	McKinley,	Thomas, M. S., <i>a</i>
Gallion,	Messick, <i>a</i>	Wales, <i>a</i> (21)

15. BIBLICAL LITERATURE IN ENGLISH.

D. 10-12. (82 Students.)

94. Old Testament History: Minor. First Term.

ASSOCIATE PROFESSOR PRICE.

Archibald, <i>g</i>	Dewey, <i>d</i>	Johnson, <i>d</i>
Daniels, <i>u</i>	Fradenburg, <i>d</i>	Tapp, <i>d</i> (8)
Dent, <i>d</i>	Hunter, <i>u</i>	

94a. and [11.] Old Testament Wisdom Literature:
Minor. First Term. DR. KENT.
(Course not given.)

95. Job: Minor. Second Term. DR. KENT.
(Course not given.)

96. Parties and Controversies in the Apostolic Age:
Minor. First Term. MR. ROOT.
(Course not given.)

97. Historical Study of the Life of Christ: Minor.
(114 Div.) First Term. PROFESSOR BURTON.

Allen, <i>d</i>	Griffith, <i>d</i>	Noftzinger, <i>d</i>
Allen, <i>g</i>	Halbert, <i>d</i>	Orr, <i>d</i>
Blanchard, <i>d</i>	Hanson, <i>d</i>	Parker, <i>d</i>
Bowen, <i>d</i>	Harris, <i>d</i>	Phillips, <i>d</i>
Brinstad, <i>d</i>	Herrick, <i>d</i>	Price, <i>d</i>
Brown, <i>d</i>	Heyland, <i>d</i>	Rhodes, <i>d</i>
Burdick, <i>d</i>	Jones, <i>d</i>	Rogers, <i>g</i>
Case, <i>d</i>	Kinney, <i>d</i>	Sanders, <i>d</i>
Chapin, <i>d</i>	Kurtz, <i>d</i>	Shaw, <i>d</i>
Coon, <i>d</i>	Lemon, <i>d</i>	Scovell, <i>d</i>
Criswell, <i>d</i>	Lord, <i>d</i>	Starkweather, <i>d</i>
Davis, <i>d</i>	Marot, <i>u</i>	Urch, <i>g</i>
Eakin, <i>d</i>	Martin, <i>d</i>	Van Horn, <i>d</i>
Elder, <i>d</i>	Mercer, <i>d</i>	Wood, <i>d</i>
Fisk, <i>d</i>	Newcomb, <i>d</i>	Young, <i>d</i> (46)
Goodman, <i>d</i>		

97a. The Teaching of Jesus in Its Relation to the
(117 Div.) Thought of His Day: Minor. Second Term.
PROFESSOR BURTON.

Allen, <i>d</i>	Hulbert, <i>d</i>	Price, <i>d</i>
Brinstad, <i>d</i>	Hanson, <i>d</i>	Sanders, <i>d</i>
Case, <i>d</i>	Harris, <i>d</i>	Scovell, <i>d</i>
Fisk, <i>d</i>	Heyland, <i>d</i>	Urch, <i>g</i>
Frantz, <i>d</i>	McEwan, <i>d</i>	Wyant, <i>d</i>
Griffin, <i>d</i>	MacNaul, <i>d</i>	Wood, <i>d</i> (20)
Griffith, <i>d</i>	Marot, <i>u</i>	

97b. Special Research, Under

Wood, I. F., *g* (1)

PROFESSOR BURTON.

[10.] Studies in the Epistles of Paul: Two Minors.
MR. ROOT.

Bower, <i>d</i>	Fletcher, <i>a</i>	Nichols, E. B., <i>d</i>
Brown, F. P., <i>a</i>	Fradenburg, <i>d</i>	Pearce, W. G., <i>d</i>
Carroll, A. F., <i>d</i>	Hulshart, <i>a</i>	Robertson, <i>a</i>
Carroll, R., <i>d</i>	Minnick, <i>a</i>	Speicher, <i>d</i>
Dent, <i>d</i>	Moffatt, <i>a</i>	Stucker, <i>d</i>
Elliott, <i>d</i>	Nichols, W. H., <i>d</i>	Tapp, <i>d</i> (19)
Evans, <i>d</i>		

16. MATHEMATICS.

C. 13-17. (63 Students.)

98. Mathematical Club and Seminary: Weekly.

Heller, <i>g</i>	Slaught, <i>g</i>	Winston, M. F., <i>g</i> (5)
Hutchinson, <i>g</i>	Smith, J. A., <i>g</i>	

99. Elliptic Modular Functions: Double Minor.
PROFESSOR MOORE.
Hutchinson, *g* Winston, M. F., *g* (2)

100. Theory of Functions: Double Minor.

ASSOCIATE PROFESSOR BOLZA.

Froley, <i>g</i>	Huff, <i>g</i>	Winston, M. F., <i>g</i> (5)
Heller, <i>g</i>	Smith, J. A., <i>g</i>	

101. Selected Chapters of the Theory of Hyperelliptic Integrals: Double Minor.

ASSOCIATE PROFESSOR BOLZA.

Hutchinson, *g* (1)

102. Higher Plane Curves. Double Minor.

ASSISTANT PROFESSOR MASCHKE.

Grant, <i>g</i>	Moritz, <i>g</i>	Winston, M. F., <i>g</i> (5)
Heller, <i>g</i>	Smith, J. A., <i>g</i>	

103. Differential Equations: Double Minor.

ASSISTANT PROFESSOR MASCHKE.

Grant, <i>g</i>	Heller, <i>g</i>	Smith, J. A., <i>g</i> (5)
Huff, <i>g</i>	Slaught, <i>g</i>	

104. Differential and Integral Calculus: Double Minor.
MR. HANCOCK..

Brandt, <i>a</i>	Holloway, <i>a</i>	von Holst, <i>u</i> (5)
Hall	Torrey, <i>g</i>	

105. Analytical Mechanics: Double Minor.

PROFESSOR MOORE.

Froley, <i>g</i>	Moritz, <i>g</i>	Slaught, <i>g</i> (4)
Huff, <i>g</i>		

[13.] Plane Trigonometry: Major. First Term.

DR. YOUNG.

Baird, <i>a</i>	Johnson, R., <i>a</i>	Thomas, M. S., <i>a</i>
Braam	McGillivray, <i>a</i>	Todd, <i>a</i>
Brown, L. A., <i>a</i>	Moore, <i>a</i>	Tolman, <i>a</i>
Friedman, H. J., <i>a</i>	Neel, <i>a</i>	Van Vliet, <i>a</i>
George	Pike, <i>a</i>	Wallace, <i>a</i>
Hale	Sass, <i>a</i>	Weingarten, <i>a</i>
von Holst, <i>u</i>	Stone, <i>a</i>	Williston, <i>a</i> (21)

[14.] Algebra: Double Minor.

MR. HANCOCK.

Bell, <i>a</i>	Diver, <i>a</i>	Minnick, <i>a</i>
Boomer, J., <i>a</i>	Dore, <i>a</i>	Moffatt, <i>a</i>
Brandt, <i>a</i>	Furness, <i>a</i>	Northrup, <i>a</i>
Brown, A. M., <i>a</i>	Hyman, <i>a</i>	Smith, K., <i>a</i>
Burns, <i>a</i>	Jackson, <i>a</i>	Stowell, <i>a</i>
Campbell, D. C., <i>a</i>	Kerr, <i>a</i>	Stevens, <i>a</i>
Chapin,	Lowry, <i>a</i>	Vaughan, <i>a</i>
DeGraff, C., <i>a</i>	McClintock, S., <i>a</i>	Winston, <i>a</i> (26)
Dibell, <i>a</i>	Mills, <i>a</i>	

[15] Theory of Equations: Minor. Second Term.

DR. YOUNG.

Baird, <i>a</i>	McGillivray,	Stone, <i>a</i>
Boomer, J. <i>a</i>	Moore, <i>a</i>	Todd, <i>a</i>
Brown, L. B., <i>a</i>	Neel, <i>a</i>	Tolman, <i>a</i>
Friedman, H. J., <i>a</i>	Pike, <i>a</i>	Weingarten, <i>a</i>
George	Sass, <i>a</i>	Willis, <i>a</i> (16)
von Holst, <i>u</i>		

[16] Co-ordinate Geometry of the Point, Line and Circle: Minor. Second Term.. DR. YOUNG.

Braam	Hale	Pike, <i>a</i>
Brown, L., <i>a</i>	Johnson, <i>a</i>	Stone, <i>a</i>
Friedman, H. J., <i>a</i>	Neel, <i>a</i>	Wallace, <i>a</i> (10)
George,		

17. ASTRONOMY.

The Observatory. (10 Students.)

106. **Astronomical Photography:** Double Minor.
ASSOCIATE PROFESSOR HALE.

(Course not given.)

107. **Solar Physics:** Double Minor or Major.
ASSOCIATE PROFESSOR HALE.

Barrett, *g* Hutchinson, *g* (2)

108. **Astro-Physical Research:** Double Minor.
ASSOCIATE PROFESSOR HALE.

(Course not given.)

- 108a. **Determination of Orbits:** Double Minor.

DR. SEE.

Barrett, *g* Heller, *g* Torrey, *g* (5)
Froley, *g* Slaughter, *g*

- 108b. **Advanced Astronomy:** Double Minor.

DR. SEE.

Froley, *g* (1)

- 108c. **Astronomical Seminary:** Double Minor.

DR. SEE.

Heller, *g* (1)

- 108d. **General Astronomy:** Double Minor.

DR. SEE.

Bjorneby, *g* Guyer, *a* Willis, *u* (5)
Bownocker, *g* Morgan, *a*

18. PHYSICS.

Science Hall. (25 Students.)

- [17] **Mechanics: Sound and Heat:** Minor. First Term.

ASSISTANT PROFESSOR STRATTON.

Arnold, O. J., <i>a</i>	Diver, <i>a</i>	Rapp, <i>a</i>
Atwood, W. W., <i>a</i>	Kellogg, <i>a</i>	Rice.
Barker, <i>a</i>	Kerr, <i>a</i>	Walling, <i>a</i>
Bjorneby, <i>g</i>	Knapp, <i>a</i>	Wheeler, <i>a</i>
Boomer, J. K., <i>a</i>	Minard, <i>a</i>	Willis, G., <i>a</i>
Campbell, D. C., <i>a</i>	Muehlhaeuser, <i>g</i>	Wolff, L., <i>a</i>
Caraway, <i>a</i>	Rubovits, <i>a</i>	Womeldorf. (22)
Chace, <i>a</i>		

- [18] **Light, Electricity, Magnetism:** Minor. Second Term.

ASSISTANT PROFESSOR STRATTON
AND MR. HOBBS.

Arnold, O. J., <i>a</i>	Kerr, <i>a</i>	Walling, <i>a</i>
Atwood, W. W., <i>a</i>	Knapp, <i>a</i>	Wheeler, <i>a</i>
Barker, <i>a</i>	Minard, <i>a</i>	Willis, G., <i>a</i>
Campbell, D. C., <i>a</i>	Rapp, <i>a</i>	Wolff, L., <i>a</i>
Caraway, <i>a</i>	Rice	Womeldorf. (17)
Kellogg, <i>a</i>	Rubovits, <i>a</i>	

- [19] **Physical Laboratory:** Minor. First Term.

ASSISTANT PROFESSOR STRATTON
AND MR. HOBBS.

Arnold, O. J., <i>a</i>	Campbell, D. C., <i>a</i>	Moritz, <i>g</i>
Atwood, W. W., <i>a</i>	Chace, <i>a</i>	Muehlhaeuser, <i>g</i>
Barker, <i>a</i>	Diver, <i>a</i>	Rubovits, <i>a</i>
Bjorneby, <i>g</i>	Kellogg, <i>a</i>	Walling, <i>a</i>
Boomer, J. K., <i>a</i>	Knapp, <i>a</i>	Wheeler, <i>a</i>
Caraway, <i>a</i>	Minard, <i>a</i>	Womeldorf. (18)

- [20] **Physical Laboratory:** Major. Second Term.

ASSISTANT PROFESSOR STRATTON.

Arnold, O. J., <i>a</i>	Caraway, <i>a</i>	Moritz, <i>g</i>
Atwood, W. W., <i>a</i>	Chace, <i>a</i>	Rubovits, <i>a</i>
Barker, <i>a</i>	Kellogg, <i>a</i>	Walling, <i>a</i>
Barnard, <i>a</i>	Knapp, <i>a</i>	Wheeler, <i>a</i>
Barrett, <i>a</i>	Minard, <i>a</i>	Womeldorf. (16)
Campbell, <i>a</i>		

- [21] **Advanced Physics:** Double Minor.

ASSISTANT PROFESSOR STRATTON.

(Course not given.)

19. CHEMISTRY.

Science Hall. (15 Students.)

109. **Organic Preparations:** Double Minor or Major.

PROFESSOR NEF.

Folin, *g* (1)

110. **Research Work:** (For Ph.D. Thesis.) Double Major.

PROFESSOR NEF.

Bernhard, <i>g</i>	Hibbard, P. L., <i>g</i>	Rockwood, <i>g</i>
Bridge, <i>g</i>	Muehlhaeuser, <i>g</i>	Smith, W. R., <i>g</i> (6)

111. **Journal Meetings:**

PROFESSOR NEF.

Bridge, <i>g</i>	Smith, W. R., <i>g</i>	Swartz, <i>g</i> (4)
Folin, <i>g</i>		

112. **Advanced Inorganic Work:** Double Minor or Major.

ASSISTANT PROFESSOR SCHNEIDER OR STOKES.

(Course not given.)

113. **On Non-Nitrogenous Organic Compounds:** One Half Double Minor.

DR. STIEGLITZ.

Bernhard, <i>g</i>	Hibbard, P. L., <i>g</i>	Smith, W. R., <i>g</i> (4)
Bridge, <i>g</i>		

114. **The Sugar Group:** $\frac{1}{2}$ Double Minor.

(Course not given.)

DR. LYMAN.

115. **Organic Chemistry:** Double Minor.

PROFESSOR NEF.

Bernhard, <i>g</i>	Hibbard, P. L., <i>g</i>	Swartz, <i>g</i> (5)
Folin, <i>g</i>	Muehlhaeuser, <i>g</i>	

116. **Special Chapters of Inorganic Chemistry:** One Half Double Minor.

ASSISTANT PROFESSOR SCHNEIDER.

Bothe, <i>g</i>	Perrine, <i>g</i>	Swartz, <i>g</i> (5)
De Butts, <i>g</i>	Stone, <i>g</i>	

117. **Theoretical Chemistry:** $\frac{1}{2}$ Double Minor.

DR. LENGFELD.

Bernhard, <i>g</i>	Folin, <i>g</i>	Swartz, <i>g</i>
Bridge, <i>g</i>	Hibbard, P. L., <i>g</i>	Wood, R. W., <i>g</i> (8)
De Butts, <i>g</i>	Smith, W. R., <i>g</i>	

118. **Qualitative Analysis:** Double Minor or Major.

ASSISTANT PROFESSOR SCHNEIDER.

Bothe, <i>g</i>	Perrine, <i>g</i>	Swartz, <i>g</i> (5)
De Butts, <i>g</i>	Stone, <i>g</i>	

119. **Quantitative Analysis:** Double Minor or Major.

ASSISTANT PROFESSOR SCHNEIDER.

Bothe, <i>g</i>	Perrine, <i>g</i>	Swartz, <i>g</i> (5)
De Butts, <i>g</i>	Stone, <i>g</i>	

120. General Inorganic Chemistry: Double Minor.

ASSISTANT PROFESSOR STOKES.

Blackmarr, *u* Jorahman, *u* Newby, *g* (4)
Bothe, *g****120 (a) Special Laboratory Course: Double Minor.**

ASSISTANT PROFESSOR STOKES.

Blackmarr, *u* Newby, *g* Thomas. (3)***120 (b) Special Research.**Muehlhaeuser, *g* Wood, R. W. *g* (2)**[22] General Inorganic Chemistry: Double Minor.**

ASSISTANT PROFESSOR STOKES.

Thomas, Newton. (2)

* Not in Calendar No. 4.

20. GEOLOGY.*Science Hall.* (9 Students.)**123. Local Field Geology:**

PROFESSOR CHAMBERLIN.

Bownocker, *g* Kummel, *g* Peet, *g* (3)**124a Life Development: PROFESSOR CHAMBERLIN.**Bownocker, *g* Kummel, *g* Peet, *g* (4)Howe, *a***126. Ore Deposits and Allied Formations: Minor.**

Second Term.

ASSOCIATE PROFESSOR PENROSE.

Chambers, *g* Howe, *g* Whitson, *g* (5)Bownocker, *g* Peet, *g***126a. Field Petrology: Double Major.**

ASSOCIATE PROFESSOR IDDINGS.

(Course not given.)

126b. Petrography: Double Major or Minor.

ASSOCIATE PROFESSOR IDDINGS.

Kummel, *g* Peet, *g* (2)**127. Descriptive Mineralogy: Minor. First Term.**

ASSOCIATE PROFESSOR IDDINGS.

Bownocker, *g* Knapp, *a* Perrine, *g* (5)Howe, *a* Peet, *g***128. Petrology: Minor. Second Term.**

ASSOCIATE PROFESSOR IDDINGS.

Howe, *u* (1)**128a. Special Work in Geology:**

PROFESSOR CHAMBERLIN.

Howe, *a* Peet, *g* Taylor, W. E., *g* (4)Cummell, *g*

21. BIOLOGY.*Science Hall.* (16 Students.)**130. Research in Animal Morphology: Double Major.**

PROFESSOR WHITMAN.

Bristol, *g* Hoyt, Lillie, *g*Eyclesheimer, *g* Johnson, H. P., *g* Mead, *g* (6)**131. Seminary in Neurology: Double Minor.**

(Course not given.) PROFESSOR DONALDSON.

132 Research Instruction in Anatomy: Double Major.
PROFESSOR MALL.Halphide, *g* (1)**133. Seminary in Palaeontology: Double Minor.**

ASSISTANT PROFESSOR BAUR.

(Course not given.)

134. Research in the Osteology of Existing and Extinct Forms: Double Major.

ASSISTANT PROFESSOR BAUR.

Hay, *g* (1)**134a. Special Research in Bacteriology.**Russell, *g* (1)**135. Phylogeny of Vertebrates: Double Minor.**

ASSISTANT PROFESSOR BAUR.

Bristol, *g* Lillie, *g* Mead, *g* (3)**136. Seminary in Physiology: Double Minor.**

ASSISTANT PROFESSOR LOEB.

Comstock, *g* Hooker, *g* Welch, *g* (4)Cooke, *g***137. Original Investigation: Double Major.**

ASSISTANT PROFESSOR LOEB.

Cooke, *g* (1)**138. Comparative Embryology of the Higher Invertebrates:**
PROFESSOR WHITMAN.Bristol, *g* Johnson, H. P., *g* Mead, *g* (5)Eyclesheimer, *g* Lillie, *g***139. The Doctrine of the Localization of Function in the Cerebral Cortex: Double Major.**

PROFESSOR DONALDSON.

Bristol, *g* Johnson, *g* Mead, *g* (5)Eyclesheimer, *g* Lillie, *g***140. Methods in Histology and Embryology:**

Double Major. PROFESSOR MALL.

Comstock, *g* Hooker, *g* Welch, *g* (5)Green, Taylor, A. L., *g***141. General Physiology of Animals:**

ASSISTANT PROFESSOR LOEB.

Comstock, *g* Hooker, *g* Welch, *g* (3)**142. Laboratory Work:**

ASSISTANT PROFESSOR LOEB.

DR. LINGLE.

Comstock, *g* Hooker, *g* Welch, *g* (3)**143. Selected Topics From the Special Physiology of Higher Vertebrates:**
DR. LINGLE.Comstock, *g* Hooker, *g* Welch, *g* (3)**144. The Biological Club.****145. The Embryology of Vertebrates: Double Minor.**

DR. WHEELER.

Comstock, *g* Halphide, *g* Taylor, A. L., *g*Green, Hooker, *g* Welch, *g* (6)

[23] Macroscopic Anatomy of Vertebrates:

Double Minor.

DR. JORDAN.

Blackmarr, *u*
Crane,Fowler,
Guyer, *a*Hibbard,
Woods, *a* (6)**REGULAR DIVINITY COURSES. D.****1. OLD TESTAMENT LITERATURE AND EXEGESIS.**

108. (Course not given.)

109. (See University Course 44a.)

110. (See University Course 44b.)

111. (See University Course 38.)

112. (Course not given.)

113. (Course not given.)

2. NEW TESTAMENT LITERATURE AND EXEGESIS.

114. (See University Course 97.)

115. Seminary on the Theology of the Epistle to the Romans: Minor. First Term.

PROFESSOR BURTON.

Griffin, *d*
MacNaul, *d*Osborn, *d*
Payne, *d*Stevens, *d* (5)

116. (See University Course 50.)

117. (See University Course 97a.)

3. BIBLICAL LITERATURE IN ENGLISH.

118. (See University Course 94.)

119. Old Testament Wisdom Literature: Minor. First Term.

DR. KENT.

(Course not given.)

120. Job: Minor. Second Term.

DR. KENT.

(Course not given.)

121. (See University Course [10].)

4. SYSTEMATIC THEOLOGY.**122. Eschatology: Minor. First Term.**

PROFESSOR NORTHRUP.

Brinstad,
Burdick,
Hemenway,
Holcomb,
Kurtz,Martin,
Myhrman,
Nordlander,
Orr, E. A.,
Orr,Payne,
Peterson,
Ranyan,
Van Horn,
Young. (15)**123. Anthropology: Minor. First Term.**

ASSISTANT PROFESSOR SIMPSON.

Davies,
Lake,

McDonald,

Stucker. (4)

124. Soteriology: Minor. First Term.

ASSISTANT PROFESSOR SIMPSON.

Berry,
Bailey,McDonald,
McGinnis,Price,
Stewart,Bower,
Elliott, J. W.,
Gray,McGillivray,
Pearce, W.,
Pearce, W. G.,Stoner,
Theobald,
Wheeler. (15)**125. Theology as Taught by Paul: Minor. First Term.**

PROFESSOR NORTHRUP.

Bailey,
Bower,
Brandsmark,
Elliott, W. A.,
Ericson,Grarup,
Hojen,
Lorsen,
Landohll,
McGillivray,Post,
Price,
Samuelson,
Wheeler,
Wood. (15)**5. CHURCH HISTORY.****126. History of the Columbian Period. Minor. First Term.**

ASSISTANT PROFESSOR JOHNSON.

Bowen,
Brown,
Case,
Chapin,
Criswell,
Davis,
Dye,
Falls,
Fisk,
Goodman,Hulbert,
Harris,
Holcomb,
Jones,
Kinney,
Lemon,
Lockhart,
Lord,
McEwan,
Mercer,Mills,
Myrman,
Phillips,
Sanders,
Stevens,
Stonecipher,
Theobald,
Wishart,
Wyant. (29)**127. History of the Church From the Invasions of the Barbarians to the Reformation: Major. First Term.**

PROFESSOR HULBERT.

Bailey,
Bixon,
Blake,
Boynton,
Bower,
Broomfield,
Collins,
Davies,
Elliott, J. W.,
Elliott, W. A.,
Eubank,Giblett,
Gray,
Henry,
Hole,
Lake,
McGinnis,
McGillivray,
Pearce, W.,
Pearce, W. G.,
Price,
Robinson,Samuelson,
Smith,
Stewart,
Stoner,
Stucker,
Swift,
Theobald,
Thompson,
Vreeland,
Wheeler. (32)**128. The Church History Club.****128a. Special Work in Church History:**Barnes, *g* (1)**6. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.****129. Plans of Sermons: Minor. First Term.**

PROFESSOR ANDERSON.

Allen,
Blanchard,
Brown,
Cabeen,
Coon,
Everett,
Falls,
Ford,
Goodman,
Griffith,
Hanson,Hemenway,
Herrick,
Heyland,
Holcomb,
Lockhart,
Lord,
Martin,
McEwan,
Mercer,
Mills,Noftzinger,
Phillips,
Rhodes,
Sanders,
Shaw,
Starkweather,
Stevens,
Waldo,
Wood,
Wyant. (31)

130. Sermons: Minor. First Term.

ASSISTANT PROFESSOR JOHNSON.

Blake,	Giblett,	Robinson,
Boynton,	Gill,	Speicher,
Bromfield,	Henry,	Thom,
Carroll,	Hoyt,	Vreeland,
Collins,	Hurley,	Wood. J. F., (16)
Dewey.		

131. History of American Preaching: Minor. First Term.

PROFESSOR ANDERSON.

Berry,	Dewey,	Hole,
Bixon,	Gill,	Hurley. (6)

7. MISSIONS AND MISSION WORK.

132. Missionary Societies: Minor. First Term.

MR. CONLEY.

Boynton,	Evans,	Speicher,
Carroll,	Gerry,	Speicher, Mrs.,
Carrol,	Johnson,	Thompson,
Dent,	McDonald,	Post,
Eubank,	Orr, Mrs.,	Swift. (15)

DIVINITY SCHOOL:—SWEDISH DIVISION.

D. (22 Students.)

1. OLD AND NEW TESTAMENT INTERPRETATION.

17. Biblical Interpretation: Minor. First Term.

ASSISTANT PROFESSOR MORTEN.

Anderson, G. R.,	Johnson,	Roeen,
Berglund,	Lawrence,	Roos,
Bergman,	Lindblad,	Salquist,
Carson,	Linden,	Sten,
Carlson,	Lindholm,	Sundmark,
Hasselblad,	Nilson, S. A.,	Tafin,
Heden,	Nilson, C. A.,	Wiking. (22)
Jakobson.		

2. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES.

18. The Doctrine of Redemption and Salvation:

Minor. First Term. PROFESSOR LAGERGREN.

Berglund,	Lawrence,	Nilson, S. A..
Carlson,	Lindblad,	Roos. (8)
Jakobson,	Nilson, C. A.,	

19. Pastoral Duties: Minor. First Term.

PROFESSOR LAGERGREN.

Anderson, C.,	Heden,	Roeen.
Anderson, G. R.,	Jakobson.	Salquist,
Berglund,	Johnson,	Sten,
Bergman,	Lawrence,	Sundmark.
Carlson,	Linden,	Tafin,
Hasselblad,	Lindholm,	Wiking. (18)

3. CHURCH HISTORY.

20. Modern Church History: Minor. First Term.

ASSISTANT PROFESSOR SANDELL.

Anderson, C.,	Johnson,	Roeen,
Anderson, G. R.,	Lawrence,	Roos,
Berglund,	Lindblad,	Salquist,
Bergman,	Linden,	Sten,
Carlson,	Lindholm,	Sundmark,
Hasselblad,	Nilson, S. A.,	Tafin,
Heden,	Nilson, C. A.,	Wiking. (22)
Jakobson,		

DIVINITY SCHOOL:—DANISH-NORWEGIAN DIVISION.

D. (10 Students.)

17. Exegesis: Minor. First Term.

PROFESSOR GUNDERSON.

Anderson,	Sellewold,	Petersen. (4)
Ohrn,		

18. Course not given.

19. Church Polity: Minor. First Term.

PROFESSOR JENSEN.

Brandsmark,	Larsen,	Petersen,
Grarup,	Landahl,	Sellewold. (7)
Hojen,		

20. Pastoral Theology: Minor. First Term.

PROFESSOR JENSEN.

Brandsmark,	Larsen,	Petersen,
Grarup,	Landahl,	Sellewold. (7)
Hojen,		

1. (Autumn Quarter.) General Introduction to the New Testament: Minor. First Term.

PROFESSOR GUNDERSON.

Anderson,	Ohrn,	Sellewold. (5)
Johnson,	Petersen,	

OBITUARY.

Timothy Howe Cunningham,**DIED NOVEMBER 26, 1892.**

The closing weeks of the University's first quarter were saddened by the death of a member of the Graduate School, Timothy Howe Cunningham, of Outville, Ohio. His earlier studies were pursued at Denison University, where he graduated in 1891, leaving there a record of the highest scholarship.

His first year after graduation was devoted to teaching, and during it, in a responsible and difficult position, he achieved complete success. To fit himself for greater usefulness, he came, in October, 1892, to

the University of Chicago. He matriculated as a student in Hebrew and the Classics, with a view to taking a doctor's degree, but while engaged in the work of the first term, he was attacked by the illness which resulted in his death at the early age of twenty-three. He was a young man of great promise, uniting with large abilities the utmost devotion and singleness of purpose. The same earnestness characterized his religious activities, and he entered heartily into the work of the Presbyterian churches with which he was connected. His death abruptly cutting short a career so bright in prospect, was keenly felt, not by his own family only, but by a large circle of friends, on whom his cheerful and earnest personality had impressed itself.

PART III.—COURSES OFFERED IN EACH DEPARTMENT OF THE UNIVERSITY.

OCTOBER 1, 1893, TO OCTOBER 1, 1894.

PRELIMINARY ANNOUNCEMENTS FOR THE GRADUATE SCHOOL AND THE UNIVERSITY COLLEGES OF ARTS AND LITERATURE.

NOTE:—The following is a list of the titles of courses to be given in the University from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES. The number of each course in the REGISTER is indicated by the number in parenthesis following the title of the course.

Courses marked by a star are open only to Graduate Students.

Fuller Announcements for the Summer Quarter (1894) will be made in later Calendars.

I. A. PHILOSOPHY.

Autumn Quarter, 1893.

ASSOCIATE PROFESSOR STRONG.

Advanced Psychology. Double Minor. (10)

Introductory Course. Logic. Double Minor. (1)

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. Double Minor. (4)

Kant's Critique of Pure Reason. Double Minor. (6)

Prerequisite: course 4.

Seminary: The Philosophy of Kant. Double Minor. (7) Prerequisite: course 6.

DR. MONIN.

History of Education. Double Minor. (15)

DR. MEZES.

Advanced Ethics. Double Minor. (12)

Winter Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Psychology. Double Minor. (2)

Advanced Psychology. Double Minor. (10)

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. Double Minor. (4)

Seminary: The Philosophy of Kant. Double Minor. (7) Prerequisite: course 6.

DR. MONIN.

Spinoza's Ethics. Double Minor. (5)

DR. MEZES.

Kant's Ethics. Double Minor. (13)

Spring Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course. Philosophy. Double Minor. (3)

Advanced Psychology. Double Minor. (10)

ASSISTANT PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

1st Term. Minor. (4a) This course forms the conclusion in the General History of Philosophy but it may be taken separately by those who have courses 1-3.

Advanced Logic and Theory of Knowledge. Double Minor. (11) This course is designed to follow the courses of the Autumn and Winter Quarters on the Philosophy of Kant.

DR. MONIN.

Recent German Philosophy. Double Minor. (9)

DR. MEZES.

Green's Prolegomena to Ethics. Double Minor. (14)

Summer Quarter.

ASSISTANT PROFESSOR TUFTS.

Psychology. Double Minor. (2a)

History of Modern Philosophy. Double Minor. (4b)

DR. MONIN.

History of Education. Double Minor. (15)

I. B. APOLOGETICS AND CHRISTIAN ETHICS.

Autumn Quarter.

PROFESSOR ROBINSON.

Apologetics and Christian Evidences. Double Major. (1)

Winter Quarter.

PROFESSOR ROBINSON.

Ethics. Major. 1st Term. (2)

Advanced Ethics. Major. 2d Term. (3)

II. POLITICAL ECONOMY.

Autumn Quarter.

HEAD PROFESSOR LAUGHLIN.

* **Economic Seminary.** Double Minor. (19)**Money and Practical Economics.** Double Minor. (9)

PROFESSOR A. C. MILLER.

Finance. Double Minor. (15)**Principles of Political Economy.** Double Minor. (1)

DR. HILL.

Railway Transportation. Double Minor. (12)

DR. VEBLIN.

American Agriculture. Double Minor. (16)

DR. HOURWICH.

Statistics. Double Minor. (10)*Winter Quarter.*

PROFESSOR LAUGHLIN.

* **Economic Seminary.** Double Minor. (19)**Money and Practical Economics.** Double Minor. (9)

PROFESSOR A. C. MILLER.

* **Seminary in Finance.** Double Minor. (18).**Advanced Political Economy.** Double Minor. (1A)

MR. CALDWELL.

History of Political Economy. Double Minor. (5)**Descriptive Political Economy.** Double Minor. (1B)

DR. HILL.

Industrial and Economic History. Double Minor. (2)**Railway Transportation.** Double Minor. (12)

DR. VEBLIN.

Socialism. Double Minor. (7)

DR. HOURWICH.

Advanced Statistics. Double Minor. (11)*Spring Quarter.*

HEAD PROFESSOR LAUGHLIN.

* **Economic Seminary.** Double Minor. (19)**Unsettled Problems of Economic Theory.** Double Minor. (4)

PROFESSOR MILLER.

* **Seminary in Finance.** Double Minor. (18)**Financial History of the United States.** Double Minor. (14)

ASSOCIATE PROFESSOR BEMIS.

Social Economics. Double Minor. (8B)

MR. CALDWELL.

Scope and Method of Political Economy. Double Minor. (3)**History of Political Economy.** Double Minor. (5)

DR. HILL.

Industrial and Economic History. Double Minor. (2)
Tariff History of the United States. Double Minor. (13)

DR. VEBLIN.

Socialism. Double Minor. (7)*Summer Quarter.*

PROFESSOR MILLER.

Economic History of the United States. Double Minor. (14A)

MR. CALDWELL.

Economic Factors in Civilization. Double Minor. (6)
Social Economics. Double Minor. (8A)

III. POLITICAL SCIENCE.

Autumn Quarter.

PROFESSOR JUDSON.

Seminary in Politics. Double Minor. (1)**Comparative Politics.** Double Minor. (2)

PROFESSOR LAWRENCE.

International Law. Double Minor. (7)

MR. CONGER.

Political Geography. Double Minor. (14)

MR. WILCOX.

Civil Government in the United States. Preliminary course. Double Minor. (12)*Winter Quarter.*

PROFESSOR JUDSON.

Seminary in Politics. Double Minor. (1)**Comparative Politics.** Double Minor. (3)**American Constitutional Law.** Double Minor. (5)
Course (5) should be preceded by course (12).

PROFESSOR LAWRENCE.

International Law. Double Minor. (8)

MISS WALLACE.

Spanish-American Institutions. Double Minor. (13)

MR. CONGER.

Political Geography. Double Minor. (15)*Spring Quarter.*

PROFESSOR JUDSON.

Seminary in Politics. Double Minor. (1)**Research,** preparatory to 2d Term courses, under the direction of the Professor. Minor. 1st Term. (11)**The Elements of Political Science.** Minor. 2d Term. (6) To be preceded by Courses (12), (11) and (4)

Comparative Politics. Minor. 2d Term. (4)

PROFESSOR LAWRENCE.

International Law. Double Minor. (9)

MR. CONGER.

Political Geography. Double Minor. (16)

Summer Quarter.

PROFESSOR JUDSON.

Seminary in Politics. Double Minor. (1)

Comparative Politics. Double Minor. (10)

NOTES.—1. Courses (7), (8) and (9) should be taken in that order.

2. Courses (5) and (6) or (5) and (13) should be taken in that order.

3. Courses in Roman Law, Modern Jurisprudence and Administrative Law will be offered in 1894-5.

IV. HISTORY.

Autumn Quarter.

HEAD PROFESSOR VON HOLST.

Seminary: Special Topics connected with American, Political and Constitutional History. Double Minor. (34)

History of the French Revolution and the Napoleonic Era. Double Minor. (19)

PROFESSOR TERRY.

The Decline of Rome and the Dissolution of the Ancient Classical Civilization. Double Minor. (10)

***Seminary: Early German Institutions.** Double Minor. (30)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity to the Persian Empire. Major. 1st Term (or Double Minor). (1)

DR. SCHWILL.

The Protestant Reformation and the Religious Wars. Double Minor. (38)

DR. SHEPARDSON.

Territorial Growth of the United States. Double Minor. (22)

Winter Quarter.

HEAD PROFESSOR VON HOLST.

Seminary: Special Topics connected with American History. Double Minor. (34)

The French Revolution and the Napoleonic Era. Double Minor. (19)

PROFESSOR TERRY.

***Seminary: Early English Institutions.** Double Minor. (31)

The First Attempt to Reorganize Barbaric Society in Europe under Roman Forms. Double Minor. (11)

ASSOCIATE PROFESSOR GOODSPEED.

Post Exilic Biblical History from the Exile to the Christian Era. Minor. 1st Term. (2a)

The Early Christian History in its Relation to the Graeco-Roman World. Minor. 2d Term. (2b)

Winter Quarter.

DR. SCHWILL.

The French Revolution and the Era of Napoleon. Double Minor. (39)

DR. SHEPARDSON.

Social Life in the American Colonies. Double Minor. (23)

Spring Quarter.

HEAD PROFESSOR VON HOLST.

Seminary: Special Topics connected with American History. Double Minor. (34)

The French Revolution and the Napoleonic Era. Double Minor. (19)

PROFESSOR TERRY.

The Second Attempt to Reorganize Barbaric Society in Europe under Roman Forms. Double Minor. (12)

***Seminary: Later English Institutions.** Double Minor. (32)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Egypt. Minor. 1st Term. (3a)

The History of Babylonia and Assyria. Minor. 2d Term. (3b)

The History of Greece to the death of Alexander. Double Minor. (4)

DR. SCHWILL.

Italy and the Renaissance. Double Minor. (13)

DR. SHEPARDSON.

Outline History of the United States. Double Minor. (40)

Summer Quarter.

PROFESSOR TERRY.

***Seminary: Early German History.** Double Minor. (33)

The Great Migrations. Double Minor. (15)

ASSOCIATE PROFESSOR GOODSPEED.

The Relations of Hebrew and Egyptian History. 1st Term. Minor. (5a)

The Relations of Hebrew and Babylonio-Assyrian History. Minor. 2d Term. (5b)

ASSISTANT PROFESSOR THATCHER.

The History of Mohammedanism to the end of the Crusades. Double Minor. (14)

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

Autumn Quarter.

HEAD PROFESSOR SMALL.

- Seminary: The Psychology, Ethics and Sociology of Socialism. Double Minor. (23)
 The Province of Sociology and its relation to the Special Social Sciences. Double Minor. (24)
 Problems of Social Statics. Double Minor. (26)

ASSISTANT PROFESSOR HENDERSON.

- Seminary: Social Organizations for Promoting Social Welfare. Double Minor. (14)
 Social Institutions of Organized Christianity. Minor (or Major). 1st Term. (15)
 Social Treatment of Dependents and Defectives. Minor (or Major). 2d Term. (16)

ASSISTANT PROFESSOR TALBOT.

- Seminary in Sanitary Science. Double Minor. (10).
 House Sanitation. Double Minor. (11)

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. Double Minor. (1)
 Physical Anthropology. Laboratory Work. Double Minor. (2)
 Physical Anthropology. Elementary Course. Double Minor. (9)

DR. WEST.

- Applied Anthropology. Double Major. (3)

Winter Quarter.

HEAD PROFESSOR SMALL.

- Seminary: The Psychology, Ethics and Sociology of Socialism. Double Minor. (23)
 Social Psychology. Double Minor. (25)
 Problems of Social Statics. Double Minor. (26)

ASSISTANT PROFESSOR HENDERSON.

- Seminary: Social Organizations for Promoting Social Welfare. Double Minor. (14)
 Criminology. Double Minor (or Major). (17)

ASSISTANT PROFESSOR TALBOT.

- Seminary in Sanitary Science. Double Minor. (10)
 Sanitary Aspects of Water, Food, and Clothing. Double Minor. (12)

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. Double Minor. (1)
 Physical Anthropology. Laboratory Work. Double Minor. (2)
 Ethnology. Double Major. (7)

DR. WEST.

- Applied Anthropology. Double Major. (3)

Spring Quarter.

HEAD PROFESSOR SMALL.

- Seminary: The Psychology, Ethics and Sociology of Socialism. Double Minor. (23)
 Social Psychology. Double Minor. (25)
 Problems of Social Statics. Double Minor. (26)

ASSISTANT PROFESSOR HENDERSON.

- Seminary: Social Organizations for Promoting Social Welfare. Double Minor. (14)
 The Family. Minor (or Major). 1st Term. (18)
 Non-Political and Non-Economical Social Institutions. Minor (or Major). 2d Term. (19)

ASSISTANT PROFESSOR TALBOT.

- Seminary in Sanitary Science. Double Minor. (10).
 The Economy of Living. Double Minor. (12a)

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. Double Minor. (1)
 Physical Anthropology. Laboratory Work. Double Minor. (2)
 Prehistoric Archæology. Double Minor. (8)

ASSOCIATE PROFESSOR BEMIS.

- Some Phases of Contemporary Sociology. Double Minor. (21)

DR. WEST.

- Applied Anthropology. Double Major. (3)

Summer Quarter.

HEAD PROFESSOR SMALL.

- The Methodology and Bibliography of Social Science. Minor. 1st Term. (22)
 The Province of Sociology and its Relation to the Special Social Sciences. Major. 1st Term. (24)

ASSISTANT PROFESSOR HENDERSON.

- Methods of Promoting Social Welfare by Voluntary Organizations. Major. 2d Term. (20)

Course (26) forms Part II of the system of Social Philosophy introduced by courses (24) and (25). Course (26) may be taken by students who are suitably prepared without course (24) and (25), or students who wish to make Social Science their principal subject, may combine courses (24), (25) and (26), as three double Majors.

Courses (24) and (25) will be required of all candidates for the degree of Doctor of Philosophy who present Social Science either as primary or secondary subject.

VI. COMPARATIVE RELIGION.

Autumn Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

*The Indian Religions. Double Minor. (1)

Winter Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

*The Religions of China and Non-Civilized Peoples.
Double Minor. (4)*Spring Quarter.*

ASSOCIATE PROFESSOR GOODSPEED.

*The Religions of Greece, Rome, and Northern
Europe. Double Minor. (3)*Summer Quarter.*

ASSOCIATE PROFESSOR GOODSPEED.

*Islam. Double Minor. (2)

VII. SEMITIC LANGUAGES AND LITERATURES.

Autumn Quarter.

HEAD PROFESSOR HARPER.

Earlier Suras of the Kuran. Major. 1st Term. (64)
Arabic Geography, History and Commentary.
Major. 2d Term. (67)

PROFESSOR HIRSCH.

Introduction to Talmudic Literature. Minor. 1st
Term. (34)

Job. Minor. 1st Term. (40)

Reading of Selected Portions of the Babylonian
Talmud. Minor. 2d Term. (37)Introduction to the Textual Criticism of the Old
Testament. Minor. 2d Term. (38)

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. Double Minor. (30)

Bi-lingual Babylonian Psalm Literature. Minor.
2d Term. (77)Earliest Unilingual Cuneiform Inscriptions. Minor.
1st Term. (78)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity. Double Minor or
Major. (IV. 1)

DR. CRANDALL.

Sight Translation in Hebrew. Double Minor. (8)

DR. KENT.

Old Testament Wisdom Literature. Double
Minor. (31)*Winter Quarter.*

HEAD PROFESSOR HARPER.

Hexateuchal Analysis. Minor. 1st Term. (55)

Phœnician. Minor. 1st Term. (91)

Comparative Semitic Grammar. Minor. 2d
Term. (94)

Advanced Hebrew Syntax. Minor. 2d Term. (98)

PROFESSOR HIRSCH.

Arabic, Thousand and One Nights. Minor. 1st
Term. (36)Selected Portions of the Mishna. Minor. 1st
Term. (43)

Coptic. Minor. 2d Term. (44)

New Testament and Talmudic Analogies. Minor.
2d Term. (46)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. Major. 1st Term. (2)

Isaiah, Chapters XL-LXVI. Double Minor. (23)

Biblical Aramaic. Minor. 2d Term. (80)

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History, from the Exile to the Christian
Era. Minor. 1st Term. (IV. 2a.)

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. Double Minor. (69)

Advanced Assyrian. Double Minor. (71)

Beginning Syriac. Double Minor. (88)

DR. CRANDALL.

Historical Hebrew. Minor. 2d Term. (4)

DR. KENT.

Apocryphal Wisdom Literature. Double Minor. (32)

Spring Quarter.

HEAD PROFESSOR HARPER.

The Book of the Covenant. Major. 1st Term. (13)
Old Testament Legal Literature. Major. 2d
Term. (27)

Hebrew Language. Double Minor. (1)

PROFESSOR HIRSCH.

Advanced Syriac. Minor. 1st Term. (50)

Abodah Zarah. Minor. 1st Term. (48)

Maimonides' "Guide" in Arabic Hebrew. Minor.
2d Term. (51)

Advanced Syriac. Minor. 2d Term. (52)

ASSOCIATE PROFESSOR PRICE.

Isaiah. Chapters I-XXXIX. (English). Minor.
1st Term. (XII. A. 1)Modern Discoveries and the Old Testament. Minor.
1st Term. (56)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. Minor.
2d Term. (IV. 3b)

ASSOCIATE PROFESSOR HARPER.

Assyrian and Babylonian Life. Minor. 1st
Term. (59)

Assyrian Letters. Minor. 1st Term. (75)

Mesopotamian Geography. Minor. 2d Term. (61)
 Babylonian Contracts. Minor. 2d Term. (76)

DR. CRANDALL.

Sight Translation in Hebrew. Minor. 1st Term. (9)

DR. KENT.

Introduction to Biblical History. Double Minor. (33)

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period.
 Minor. 2d Term. (11)

The Arabic Language. Minor. 2d Term. (63)

Advanced Hebrew Grammar. Minor. 2d Term. (97)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. Major. 1st Term. (3)

Ezekiel. (English.) Minor. 1st Term. (XII. A. 2)

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonio-Assyrian
 History. Minor. 2d Term. (IV. 5b)

The Relations of Hebrew and Egyptian History.
 Minor. 1st Term. (IV. 5a)

Islam. Double Minor. (VI. 2)

ASSOCIATE PROFESSOR HARPER.

Assyrian Language. Double Minor. (69)

Advanced Assyrian. Double Minor. (71)

The Book of Proverbs. Minor. 1st Term. (17)

Micah. Minor. 2d Term. (14)

DR. CRANDALL.

Historical Hebrew. Minor. 2d Term. (5)

VIII. BIBLICAL AND PATRISTIC GREEK.

Autumn Quarter.

MR. ROOT.

Rapid Reading in Hellenistic Greek. Double
 Minor.

MR. VOTAW.

Paul's Corinthian Epistles. Minor. 2d Term.

Winter Quarter.

DR. KENT.

The Apocryphal Wisdom Literature. Double
 Minor.

Spring Quarter.

MR. ROOT.

Rapid Translation of Portions of the Greek Text
 of the New Testament. Minor. 1st Term.

MR. VOTAW.

New Testament Greek. Minor. 1st Term.

Sources and Relations of the Four Gospels. Minor.
 2d Term.

Summer Quarter.

PROFESSOR BURTON.

Studies in the Apostolic Fathers. Minor. 2d
 Term.

MR. VOTAW.

The Distinctive Features of the Fourth Gospel.
 Minor. 2d Term.

See also courses in New Testament Literature and
 Exegesis in the Graduate Divinity School, which
 are open to students of the University Colleges
 and Graduate School. (1) (7) (8) (9) (15) (16)
 (22) (23)

IX. SANSKRIT AND INDO-EUROPEAN COMPARATIVE
 PHILOLOGY.

Autumn Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit, for Beginners. Double Minor. (2)

Comparative Grammar of the Latin Language.
 Double Minor. (4)

Winter Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit (Continued). Double Minor. (2)

Seminary. Double Minor. (5)

Spring Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit (Continued). Double Minor. (2)

Avestan (Zend). Double Minor. (6)

Summer Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit (Continued). Double Minor. (10)

Sanskrit for Beginners. Double Minor. (2)

X. THE GREEK LANGUAGE AND LITERATURE.

Autumn Quarter.

PROFESSOR SHOREY.

Homer. Double Minor. (7) Open to Academic
 students who have completed two or three
 Majors of Greek with credit.

*Seminary: The History of Ancient Philosophy.
 Double Minor. (20)

*Literary Criticism and Rhetoric of the Ancients.
 Double Minor. (22)

ASSOCIATE PROFESSOR TARBELL.

Greek Lyric Poets. Double Minor. (8)

Winter Quarter.

PROFESSOR SHOREY.

*Seminary: The History of Ancient Philosophy.

Double Minor. (20)

- *Literary Criticism and Rhetoric of the Ancients.
Double Minor. (22)

ASSOCIATE PROFESSOR TARBELL.

Thucydides. Double Minor. (15)

Introduction to Greek and Roman Archæology.
Double Minor. (16)

ASSISTANT PROFESSOR CASTLE.

Demosthenes and Æschines. Double Minor. (9)
Selected Plays of Sophocles and Euripides. Double
Minor. (14)

Spring Quarter.

PROFESSOR SHOREY.

Introduction to Study of the Greek Drama. Double
Minor. (17) Open to students in the Academic
Colleges who have completed two or three
Majors with credit.

*Seminary: The History of Ancient Philosophy.
Double Minor. (20)

*Literary Criticism and Rhetoric of the Ancients.
Minor. 1st Term. (22)

ASSOCIATE PROFESSOR TARBELL.

Greek Archæology and Private Antiquities. Double
Minor. (19)

Summer Quarter.

PROFESSOR SHOREY.

Æschylus, Oresteia. Minor. 1st term. (12)

Teachers' Course. Minor. 1st Term. (23)

ASSISTANT PROFESSOR CASTLE.

Readings and Studies in the Odyssey. Minor. 2d
Term. (10)

Demosthenes as an Orator and a Man. Minor. 2d
Term. (11)

A Greek Reading Club meets once a week from
October to June, intended primarily for under-
graduates who wish to keep up their knowledge
of Greek in the interval between their regular
collegiate courses.

XI. THE LATIN LANGUAGE AND LITERATURE.

Autumn Quarter.

HEAD PROFESSOR HALE.

Pliny the Younger. Double Minor. (18)

*Seminary 3: The Comparative Syntax of the
Greek and Latin Verb. Double Minor. (39)

PROFESSOR CHANDLER.

Lucretius. Double Minor. (9)

Roman History from the Sources. Double Minor. (26)

ASSOCIATE PROFESSOR ABBOTT.

*Introduction to Latin Palæography. Double
Minor. (32)

*Seminary 1: Colloquial Latin. Double Minor. (37)

Winter Quarter.

HEAD PROFESSOR HALE.

Juvenal. Double Minor. (20)

*Seminary 3: Comparative Syntax of the Greek
and Latin Verb. Double Minor. (39)

PROFESSOR CHANDLER.

The Georgics of Virgil. Minor. 2d Term. (13)

The Epicurean Philosophy as seen in the Writings
of Cicero. Minor. 2d Term. (25)

ASSOCIATE PROFESSOR ABBOTT.

Cicero's Letters. Double Minor. (11)

*Seminary 1: Colloquial Latin. Double Minor. (37)

Spring Quarter.

HEAD PROFESSOR HALE.

Teachers' Training Course. Double Minor. (36)

*Seminary 3: Comparative Syntax of the Greek
and Latin Verb. Double Minor. (38)

PROFESSOR CHANDLER.

Latin Prose of the Christian Hymns. Double
Minor. (22)

The Development of Roman Oratory. Double
Minor. (24)

ASSOCIATE PROFESSOR ABBOTT.

Roman Administration. Double Minor. (28)

*Seminary 1: Colloquial Latin. Double Minor. (37)

Summer Quarter.

PROFESSOR CHANDLER.

The Epistles of Horace. Minor. 2d Term. (14)

Tibullus and Propertius. Minor. 2d Term. (14b)

ASSOCIATE PROFESSOR ABBOTT.

Allen's Remnants of Early Latin. Minor. 1st
Term. (30)

Persius. Minor. 1st Term. (31)

XII. ROMANCE LITERATURE AND PHILOLOGY.

Autumn Quarter.

HEAD PROFESSOR KNAPP.

Old French. Double Minor. (1)

Old Spanish. Double Minor. (5)

ASSISTANT PROFESSOR BERGERON.

French Literature of the Nineteenth Century.
Double Minor. (13)

Rapid Reading in Modern French. Double Ma-
jor. (14)

French Phonetics. Double Minor. (20)

MR. _____

Italian Grammar. Minor. 1st Term. (21)

Italian Prose. Minor. 2d Term. (22)

MISS WALLACE.

Spanish. Double Minor. (9)

Winter Quarter.

HEAD PROFESSOR KNAPP.

Old French. Double Minor. (2)

Old Spanish. Double Minor. (6)

ASSISTANT PROFESSOR BERGERON.

Moliere, Corneille, and Racine. Double Minor. (14)

Special Course of Conversation. Double Major. (15)

French Phonetics. Double Minor. (20)

MR. _____

Italian Drama. Minor. 1st Term. (24)

Italian Comedy. Minor. 2d term. (25)

MISS WALLACE.

Spanish. Double Minor. (10)

Spring Quarter.

HEAD PROFESSOR KNAPP.

Old French. Double Minor. (3)

Old Spanish. Double Minor. (7)

ASSISTANT PROFESSOR BERGERON.

Advanced Course in Syntax (French). Double
Minor. (16)

French Phonetics. Double Minor. (17)

MR. _____

Italian Prose. Minor. 1st Term. (26)

Italian Grammar. Minor. 2d Term. (27)

MISS WALLACE.

Spanish. Double Minor. (11)

Summer Quarter.

HEAD PROFESSOR KNAPP.

Old French. Double Minor. (4)

Old Spanish. Double Minor. (8)

ASSISTANT PROFESSOR BERGERON.

French. Nineteenth Century Literature. Double
Minor. (12)

French. Conversation. Double Minor. (17)

DR. KINNEY.

French Literature of the Seventeenth Century.
Minor. 1st Term. (21)

MR. _____

Italian Grammar. Minor. 1st Term. (26)

MISS WALLACE.

Knapp's Spanish Grammar. Minor. 1st term (9)

Advanced Spanish Reading. Double Minor. (12)

XIII. GERMANIC LANGUAGES AND LITERATURE.

*Germanic Seminary: *Courses 11-13, inclusive, constitute the work of the first section of the Germanic Seminary; the second section meets weekly through Autumn, Winter and Spring Quarters for the reading and discussion of original papers by members of the Seminary and of reports upon subjects connected with the work of the first section.

Old Norse. Noreen. *Altisländische und altnorwegische Grammatik*. 1892; Wilken, *Die Prosaische Edda*, 1877; Hildebrand, *Ältere Edda*, 1876. 4 hrs. a week. Double Minor. (11)

Germanic Mythology. Lectures. Mogk, Paul's *Grundriss I*, 982-1138. 4 hrs. a week. Double Minor. (12)

Old Saxon. Sievers, *Heliand*, 1878; Heyne, *Kleinere Altniederdeutsche Denkmäler*, 2 Aufl., 1877; Behaghel-Gallée, *Altsächsische Grammatik*, 1891. 4 hrs. a week. Double Minor. (13)

Autumn Quarter.

ASSISTANT PROFESSOR CUTTING.

Faust. Double Minor. (1)

Lessing as a Dramatist. Double Minor. (14)

DR. SCHMIDT-WARTENBERG.

Comparative German Grammar. Double Minor. (8)
Outline History of German Literature. Double
Minor. (16)

DR. VON KLENZE.

Gothic. Double Minor. (3)

Winter Quarter.

ASSISTANT PROFESSOR CUTTING.

Faust. Double Minor. (1)

DR. SCHMIDT-WARTENBERG.

Old High German. Double Minor. (4)

Middle High German. Double Minor. (9)

MR. MÜLFINGER.

German Prose Composition. Double Minor. (20)

Spring Quarter.

DR. SCHMIDT-WARTENBERG.

Introduction to Phonetics.

Minor. 2d Term. (7)

Old High German. Minor. 1st Term. (10)

Heine's Prose and Poetry. Double Minor. (18)

DR. VON KLENZE.

Goethe's Life. Double Minor. (2)

German Ballads. Double Minor. (17)

Middle High German. Minor. 1st Term. (6)

MR. WOOD.

Early Nineteenth Century Prose. Double Minor. (19)

Summer Quarter.

ASSISTANT PROFESSOR CUTTING.

Middle High German. Double Minor. (5)

Schiller's Wallenstein. Double Minor. (15)

SUPPLEMENTARY COURSES.

DR. SCHMIDT-WARTENBERG.

Scientific Reading. Subjects connected with Biological Sciences. Double Minor. Winter Quarter. (26)

DR. VON KLENZE.

Scientific Reading. Subjects connected with Physical Sciences. Double Minor. Winter Quarter. (25)

Scientific Reading. Subjects connected with Social Sciences. Double Minor. Summer Quarter. (27)

XIV. THE ENGLISH LANGUAGE AND LITERATURE AND RHETORIC.

Autumn Quarter.

PROFESSOR WILKINSON.

Poetics. Double Minor. (9)

Sentences. Minor. 1st Term. (7)

History and Fiction. Minor. 2d Term. (8)

ASSISTANT PROFESSOR BLACKBURN.

Old English. Double Minor. (27)

*Old English Seminary. Double Minor. (28)

Old English Elementary Course. Double Minor. (23)

ASSISTANT PROFESSOR CROW.

English Literature of the Elizabethan Period. Double Minor. (14)

ASSISTANT PROFESSOR MCCLINTOCK.

Milton. Double Minor. (16)

*Works of William Wordsworth. Double Minor. (32)

MR. HERRICK.

Advanced English Composition. Double Minor. (5)

MR. TRIGGS.

English Literature of the Nineteenth Century. Double Minor. (20)

Winter Quarter.

PROFESSOR MOULTON.

Ancient Tragedy for English Readers. Double Minor. (12)

ASSISTANT PROFESSOR BLACKBURN.

Old English. Elementary Course, (Continued). Double Minor. (23)

Middle English. Double Minor. (26)

Old English Seminary. Double Minor. (28)

ASSISTANT PROFESSOR CROW.

Shakespeare. Double Minor. (15)

ASSISTANT PROFESSOR MCCLINTOCK.

The Development of the English Novel from Richardson to George Eliot. Double Minor. (17)

English Literature Seminary. Double Minor. (33)

ASSISTANT PROFESSOR TOLMAN.

English Romantic Poetry from 1780 to 1830. (18)

MR. TRIGGS.

English Literature of the Nineteenth Century. Double Minor. (21)

Spring Quarter.

PROFESSOR MOULTON.

Tragedy and Shakesporean Drama. Double Minor. (13)

ASSISTANT PROFESSOR BLACKBURN.

Old English. Elementary Course (Continued). Double Minor. (23)

*Old English Seminary. Double Minor. (28)

Old English Literature. Double Minor. (29)

ASSISTANT PROFESSOR CROW.

History and Principles of English Versification. Double Minor. (11)

ASSOCIATE PROFESSOR BUTLER.

English Essayists of the Nineteenth Century. Double Minor. (10)

ASSISTANT PROFESSOR TOLMAN.

*The Origin of the English Drama and its History to 1650. Double Minor. (31)

MR. HERRICK.

Advanced English Composition. Double Minor. (6)

MR. TRIGGS.

English Literature of the Nineteenth Century. Double Minor. (22)

MR. CARPENTER.

Spenser. Double Minor. (35)

Summer Quarter.

ASSISTANT PROFESSOR MCCLINTOCK.

The Elements of Literature. Double Minor. (19)

*English Literary Criticism. Double Minor. (34)

ASSISTANT PROFESSOR BLACKBURN.

Old English. Elementary Course. Double Minor.
(23)

Middle English. Double Minor. (26)

XV. BIBLICAL LITERATURE IN ENGLISH.

Autumn Quarter.

MR. VOTAW.

Jewish Literature of the Maccabean and Primitive Periods. Minor. 1st Term. (B, 13)

Winter Quarter.

MR. ROOT.

The Teaching of Christ in the Synoptic Gospels.
Minor. 1st Term. (B, 8)

The Teaching of Christ in the Fourth Gospel.
Minor. 2d Term. (B, 9)

MR. VOTAW.

The Life of the Apostle Peter. Minor. 1st
Term. (B, 11)

The Writings of the Apostle Peter. Minor. 2d
Term. (B, 12)

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

Isaiah, Chapters i-xxxix. Minor. 1st Term. (A, 1)

MR. ROOT.

Parties and Controversies in the Apostolic Age.
Minor. 2d Term. (B, 10)

Summer Quarter.

PROFESSOR BURTON.

**The Teaching of Jesus in relation to the Thought
of His Day.** Minor. 2d Term. (A, 2)

ASSOCIATE PROFESSOR PRICE.

Ezekiel. Minor. 2d Term. (B, 3)

See Courses in Biblical Literature in English in the
Graduate Divinity School, which are open to Students
of the Graduate School.

XVI. MATHEMATICS.

See announcements under the Ogden (Graduate)
School of Science.

PRELIMINARY ANNOUNCEMENTS FOR THE OGDEN (GRADUATE)
SCHOOL OF SCIENCE.

NOTE:—Following is a list of the titles of courses to be given in the University from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENT PROGRAMMES. The number of the course in THE REGISTER is indicated by the number in parenthesis following the title of the course.

Courses marked by a star are open only to Graduate Students.

XVI. MATHEMATICS.

***The Mathematical Club and Seminary**, a fortnightly meeting continuing throughout the year, for the review of memoirs and books, and for the presentation of the results of research, open to all graduate students in mathematics; with the coöperation of the members of the Mathematical Faculty under the presidency of Professor Moore.

Autumn Quarter.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** Double Minor. (16) Prerequisites: Differential and Integral Calculus and Theory of Equations.

ASSOCIATE PROFESSOR BOLZA.

Advanced Integral Calculus. Double Minor. (5)

***Hyperelliptic Functions.** Double Minor. (21) Prerequisites: Differential and Integral Calculus and Theory of Functions.

ASSISTANT PROFESSOR MASCHKE.

Theory of Surfaces. Double Minor. (8) Prerequisites: Analytic Geometry and Differential Calculus.

Analytic Mechanics. Double Minor. (12) Prerequisites: Analytic Geometry and Differential and Integral Calculus.

DR. YOUNG.

Determinants: Theory of Equations. Double Minor. (6) Prerequisites: College Algebra and Plane Geometry. A continuous course for two quarters, but students may enter for the Determinants as a Minor, 1st Term, 1st Quarter.

Winter Quarter.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** Double Minor. (16)

ASSOCIATE PROFESSOR BOLZA.

Advanced Integral Calculus. Double Minor. (5) Prerequisites: Differential Calculus and Indefinite Integration.

***Theory of Substitutions and its Application to Algebraic Equations.** Double Minor. (17) Prerequisite: Algebra.

ASSISTANT PROFESSOR MASCHKE.

Theory of the Potential. Double Minor. (14) Prerequisites: Analytic Geometry, Calculus and Analytic Mechanics.

***Line Geometry.** Double Minor. (18) Prerequisites: Analytic Geometry, Calculus, and Theory of Surfaces.

DR. YOUNG.

Determinants: Theory of Equations. Double Minor. (6) Prerequisites: College Algebra and Plane Trigonometry.

Spring Quarter.

PROFESSOR MOORE.

***Theta Functions.** Double Minor. (22) Prerequisite: Theory of Functions.

DR. BOYD.

Differential Equations. Double Minor. (10) Prerequisite: Advanced Integral Calculus.

ASSISTANT PROFESSOR MASCHKE.

Theoretical Electricity. Double Minor. (13) Prerequisites: Analytic Geometry, and Differential and Integral Calculus.

***Finite Groups of Linear Substitutions.** Double Minor. (19)

Summer Quarter.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** Double Minor. (15) Prerequisites: A thorough knowledge of Differential and Integral Calculus.

***Elliptic Functions.** Double Minor. (20) Prerequisites: Theory of Functions and Theory of Substitutions.

DR. YOUNG.

Theory of Numbers. Double Minor. (9)
The Elements of the Theory of Invariants with Applications to Higher Plane Curves. Double

Minor. (11) Prerequisites: Determinants, and a thorough course in the Theory of Equations.

XVII. ASTRONOMY.

Autumn Quarter.

ASSOCIATE PROFESSOR HALE.

Astronomical Photography. Double Minor. (1) Prerequisites: General Astronomy and Physics.

Stellar Spectroscopy. Double Minor (or Major). (3) Prerequisite: Solar Physics.

DR. SEE.

***Mechanics of a System of Bodies and the Perturbing Function.** Double Minor. (5) Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.

Spherical and Practical Astronomy. Double Minor. (8) Prerequisites: Mathematics, Physics and General Astronomy.

Astronomical Seminary. (10) Prerequisites: Mathematics, Astronomy.

General Astronomy. Introductory Course. Double Minor. (11) Prerequisites: Algebra, Geometry, Trigonometry and Elements of Physics.

Winter Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics. Double Minor (or Major). (2) Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

General Perturbations. Double Minor. (6) Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.

Spherical and Practical Astronomy. Double Minor. (8) Prerequisites: Mathematics, Physics and General Astronomy.

Astronomical Seminary. (10) Prerequisites: Mathematics, Astronomy.

General Astronomy. (Continued.) Double Minor. (11) Prerequisites: Algebra, Geometry, Trigonometry and the Elements of Physics.

Spring Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics. Double Minor. (2) Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

***Secular Perturbations.** Double Minor. (7) Prerequisites: Courses (5) and (6)

Theory of Probability and Method of Least Squares. Double Minor. (9) Prerequisites: Mathematics and General Astronomy.

Astronomical Seminary. (10) Prerequisites: Mathematics and Astronomy.

History of Astronomy. Double Minor. (12) Prerequisite: General Astronomy.

Astro-Physical Research, under the direction of Associate Professor Hale, all quarters.

XVIII. PHYSICS.

Autumn Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course.** Double Major. (1)

***Special Graduate Course.** Double Minor (or Major). (D 1)

Prerequisites: Advanced Course in General Physics.

ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced). Double Minor. (3) Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced). Double Minor. (4) Prerequisites: Differential and Integral Calculus.

Winter Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course.** Double Minor. (1)

***Special Graduate Course.** Double Minor (or Major). (2)

Prerequisite: Advanced Course in General Physics.

ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced). Double Minor. (3) Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced). Double Minor. (4) Prerequisites: Differential and Integral Calculus.

Spring Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course.** Double Minor. (1)

***Special Graduate Course.** Double Minor (or Major). (2)

Prerequisites: Advanced Course in General Physics.

ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced). Double Minor. (3) Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced). Double Minor (4) Prerequisites: Differential and Integral Calculus.

XIX. CHEMISTRY.

Autumn Quarter.

PROFESSOR NEF.

Organic Chemistry. Double Minor. (4)

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations: Laboratory Work. Double Minor (or Major). (19) Prerequisite: Qualitative and Quantitative Analysis and Organic Chemistry. (It may be taken simultaneously in connection with lectures on Organic Chemistry. Those intending to pursue research work in Inorganic Chemistry will be required to take this course as a triple Minor, and those intending to pursue research work in Organic Chemistry will be required to take the course as a triple Major.)

***Research Work for Ph.D. Thesis.** Laboratory work. Double Major. (21)

Journal Meetings.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course. Double Minor (6). Prerequisite: Academic College Course in Physics. (1)

Advanced Inorganic Work. Double Minor (or Major). (18) Prerequisites: Qualitative and Quantitative Analysis, Theoretical Chemistry, Mineralogy and a reading knowledge of French and German. Those intending to pursue research work in Organic Chemistry will be required to take this course as a triple Minor, those intending to engage in Inorganic research will be required to take the course as a triple Major.

Research Work for Ph.D. Thesis. Double Major. (21)

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Double Minor (or Major). (8) Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. Double Minor (or Major). (2) Prerequisite: Qualitative Analysis.

Analytical Chemistry. $\frac{1}{2}$ Double Minor. (10)

***Research Work Ph.D. Thesis.** Double Major. (21)

DR. LENGFELD.

Theoretical Chemistry. Lectures. Two $\frac{1}{2}$ Minors. (12)

***Research Work for Ph.D. Thesis.** Double Major. (21)

DR. STIEGLITZ.

Organic Nitrogen Derivatives. $\frac{1}{2}$ Double Minor. (15) Prerequisite: Organic Chemistry.

***Research Work for Ph.D. Thesis.** Double Major. (21)

Winter Quarter.

PROFESSOR NEF.

Organic Chemistry. Double Minor. (4) Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations. Laboratory work. Double Minor (or Major). (19)

For Prerequisites see Autumn Quarter.

***Research Work for Ph.D. Thesis. Laboratory Work.** Double Major. (21)

Journal Meetings.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course. Double Minor. (6). Prerequisite: Academic College Course in Physics. (1).

Advanced Inorganic Work. Double Minor (or Major). (18). For prerequisites and requirements see Autumn Quarter.

***Research Work for Ph.D. Thesis.** Double Major. (21)

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Laboratory work. Double Minor (or Major). (8) Prerequisite: General Chemistry.

Quantitative Analysis. Double Minor (or Major). (2) Prerequisite: Qualitative Analysis.

Analytical Chemistry. $\frac{1}{2}$ Double Minor. (10)

***Research Work for Ph.D. Thesis.** Double Major. (21)

DR. LENGFELD.

Theoretical Chemistry. $\frac{1}{2}$ Double Minor. (12)

History of Chemistry. $\frac{1}{2}$ Double Minor. (13)

Research Work for Ph.D. Thesis. Double Major. (21)

DR. STIEGLITZ.

Qualitative Spectrum Analysis. $\frac{1}{2}$ Double Minor. (9) Prerequisite: General Chemistry.

The Carbohydrates and the Complex Hydrocarbons. $\frac{1}{2}$ Double Minor. (16)

***Research Work for Ph.D. Thesis.** Double Major. (21)

Spring Quarter.

PROFESSOR NEF.

Organic Chemistry. Minor. 1st Term. (4)

Organic Preparations. Laboratory Work. Minor (or Major). 1st Term. (19)

For Prerequisites see Autumn and Winter Quarters.

***Research Work for Ph.D. Thesis.** Major. (21) 1st Term.

Journal Meetings.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Double Minor. (6) Prerequisites: the Academic Course in Physics.

General Chemistry (b). Chiefly Laboratory Work. Double Minor. (6). Open only to a limited number of students in the General Chemistry Course.

Advanced Inorganic Work. Double Minor (or Major). (18)

For Prerequisites and requirements see Autumn and Winter Quarters.

* **Research Work for Ph.D. Thesis.** Double Major. (21)

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Laboratory Work. Double Minor (or Major). (8) Prerequisite: General Chemistry.

Quantitative Analysis. Double Minor (or Major). (2) Prerequisite: Qualitative Analysis.

Analytical Chemistry. $\frac{1}{2}$ Double Minor. (10) Prerequisite: General Chemistry.

* **Research Work for Ph.D. Thesis.** Double Major. (21)

DR. LENGFELD.

Theoretical Chemistry. $\frac{1}{2}$ Minor. 1st Term. (12)

Physico-Chemical Methods. $\frac{1}{2}$ Minor. 1st Term. (14)

* **Research Work for Ph.D. Thesis.** Double Major. (21)

DR. STIEGLITZ.

* **Research Work for Ph.D. Thesis.** Double Major. (21)

Summer Quarter.

PROFESSOR NEF.

Special Chapters of Organic Chemistry. $\frac{1}{2}$ Minor. 2d Term. (17)

* **Research Work for Ph.D. Thesis.** Major. 2d Term. (21)

ASSISTANT PROFESSOR SCHNEIDER.

Special Chapters of Inorganic Chemistry. $\frac{1}{2}$ Double Minor. (11) Prerequisite: General Chemistry.

Advanced Inorganic Work. Minor (or Major). (18) For Prerequisites see Autumn and Winter Quarters.

* **Research Work for Ph.D. Thesis.** Double Major. (21)

DR. LENGFELD.

General Inorganic Chemistry. Double Major. (7)

Physico-Chemical Methods. $\frac{1}{2}$ Minor. 2d Term. (14)

* **Research Work for Ph.D. Thesis.** Double Major. (21)

DR. STIEGLITZ.

General Organic Chemistry. Double Major. (5)

Organic Preparations. Double Minor (or Double Major). (20)

For Prerequisites see Course (19) Autumn and Winter Quarters.

* **Research Work for Ph.D. Thesis.** Double Major. (21)

XX. GEOLOGY.

Seminary. Fortnightly, under the presidency of the Head of the Department, aided by the department faculty.

Autumn Quarter.

HEAD PROFESSOR CHAMBERLIN.

* **Principles and Working Methods of Geology.** Double Minor (or Major). (22) Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Local Field Geology. (24)

Special Geology. (23)

PROFESSOR SALISBURY.

Geographic Geology. Double Minor or Major. (10)

Local Field Geology. (24)

ASSOCIATE PROFESSOR IDDIGS.

Crystallography. Minor. 1st Term. (2) Prerequisites: Physics and Inorganic Chemistry.

Physical Mineralogy. Minor. 2d Term. (3) Prerequisite (2)

ASSOCIATE PROFESSOR PENROSE.

Petrography. Double Minor (or Major). (6)

MR. KUMMEL.

Laboratory Work in Geographic Geology. Minor. 2d Term. (11)

Winter Quarter.

HEAD PROFESSOR CHAMBERLIN.

* **Principles and Working Methods of Geology.** Double Minor (or Major). (22) Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Special Geology. (23)

PROFESSOR SALISBURY.

Structural Geology and Continental Evolution. Double Minor (or Major). (12). Prerequisites: Elementary Mineralogy and Petrology, Chemistry and Physics.

Dynamic Geography. Major (or Minor). (13)

General Geology. Double Minor. (9)

ASSOCIATE PROFESSOR IDDIGS.

Descriptive Mineralogy. Double Minor. (4) Prerequisites: (2) and (3)

Petrography. Double Major (or Minor). (6)

ASSOCIATE PROFESSOR PENROSE.

* **Economic Geology.** Double Minor. (14) Prerequisites: Mineralogy, Chemistry, and Physics.

Chemistry of Ore Deposits. Double Minor. (15) Prerequisites (14)

PROFESSOR VAN HISE.

Pre-Cambrian Geology. Minor. 1st Term. (19)

Laboratory Course in Connection with Pre-Cambrian Geology. Minor. 1st Term. (20)

Spring Quarter.

HEAD PROFESSOR CHAMBERLIN.

Geologic Life Development. Double Minor. (16)

Prerequisites: Zoölogy, Botany. (12) and (9)

Local Field Geology. (24)

Special Geology. (23)

ASSOCIATE PROFESSOR IDDIGS.

Petrology. Double Minor. (5) Prerequisites: (2) and (3)

* **Petrology (advanced).** Double Minor (or Major). (7)

Summer Quarter.

PROFESSOR SALISBURY.

Geology in Camp. Double Major. (26)

Courses still to be arranged as to time and length.

See August Calendar.

PROFESSOR WALCOTT.

Palæontologic Geology. (17)

PROFESSOR HOLMES.

Archæologic Geology. (21)

For courses in Vertebrate Palæontology see the Department of Zoölogy and Palæontology.

XXI. BOTANY.

Courses in this Department will be announced later in the year.

XXII. ZOÖLOGY.

Autumn Quarter.

HEAD PROFESSOR WHITMAN.

* **Embryology.** Higher Invertebrates. Double Major. (1) Prerequisites: the introductory Courses in Embryology, Anatomy and Histology.

* **Seminary.** Historical Topics. Double Minor. (3)

DR. WHEELER.

Vertebrate Embryology. Double Major. (4) Prerequisites: Elementary Zoölogy, outlines of Vertebrate Zoölogy, Palæontology, Histology.

DR. WATASE.

Cellular Biology. Lectures and Demonstrations. Dates to be announced. (7)

Winter Quarter.

HEAD PROFESSOR WHITMAN.

* **Embryology.** Higher Invertebrates. Double Major. (1) For prerequisites see Autumn Quarter.

Seminary. Historical Topics. Double Minor. (3)

MR. LILLIE.

Vertebrate Embryology. Double Major. (4) For prerequisites see Autumn Quarter.

DR. WATASE.

Cellular Biology. Lectures and demonstrations. Dates to be announced. (7)

Spring Quarter.

HEAD PROFESSOR WHITMAN.

* **Embryology.** Tectonics of the Vertebrate Embryo. Double Major. (2) Prerequisites: the introductory courses in Morphology.

MR. LILLIE.

Vertebrate Embryology. Double Major. (4) For prerequisites see Autumn Quarter.

DR. JORDAN.

Sanitary Biology. Double Minor. (6) Prerequisite: Chemistry.

DR. WATASE.

Cellular Biology. Lectures and demonstrations. Dates to be announced. (7)

Palæontology.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology. Minor. (8)

* **Research in the Osteology of Living and Extinct Vertebrates.** Double Major. (11) Prerequisites: Comparative Osteology and Phylogeny of Vertebrates.

Winter Quarter.

ASSISTANT PROFESSOR BAUR.

Comparative Osteology and Phylogeny of Vertebrates. Double Minor in connection with (10). (9). Prerequisites: Vertebrate Zoölogy, Anatomy, Embryology, Geology.

* **Seminary in Comparative Osteology.** Double Minor in connection with course (9). (10)

Research in the Osteology of Living and Extinct Vertebrates. Double Major. (11). For prerequisites see Autumn Quarter.

Spring Quarter.

ASSISTANT PROFESSOR BAUR.

Comparative Osteology and Phylogeny of Vertebrata. Double Minor in connection with (10). (9)

* **Seminary in Comparative Osteology.** Double Minor in connection with (9). (10)

Research in the Osteology of Living and Extinct Vertebrates. Double Major. (11)

Summer Quarter.

ASSISTANT PROFESSOR BAUR.

Palæontological Field Work.

XXIII. ANATOMY AND HISTOLOGY.

Winter Quarter.

MR. EYLESHEIMER.

General Histology of Animals. Double Minor. (1)

XXIV. PHYSIOLOGY.

Autumn Quarter.

ASSISTANT PROFESSOR LOEB.

***Original Investigations in Physiology.** Double Major. (1)**Physiology of the Sense Organs and the Peripheral and Central Nervous System.** Double Minor. (2)**Laboratory Work in Physiology of the Sense Organs and the Nervous System.** In connection with course (4). (3)**Seminary.** In connection with course (3). (4)

NOTE:—Courses 3 and 4 taken together form an advanced course in Physiology (Double Minor). With the permission of the Instructor they may be taken together by students of course (2) as a Double Major.

Winter Quarter.

ASSISTANT PROFESSOR LOEB.

***Original Investigations in Physiology.** Double Major. (1)**Physiology of Circulation, Respiration and Animal Heat.** Double Minor. (5) Prerequisite: Course 2.**Laboratory Work in the Physiology of Circulation, Respiration and Animal Heat.** (6)**Seminary:** in connection with course 6. Together with Course (6). Double Minor. (7) Prerequisites: Courses 3 and 4.*Spring Quarter.*

ASSISTANT PROFESSOR LOEB.

Original Investigations in Physiology. Double Major. (1)**General Physiology of Animals and Plants.** (9) Lectures in connection with (10). (9)**General Physiology of Nerves and Muscles.** Together with Course (9). Double Major. (10)**Laboratory Work in Physiology of Nerves and Muscles and in General Physiology.** (11)**Seminary:** In connection with Course (11). Together with Course (11). Double Minor. (12) Prerequisites: Courses (4) and (3).

DR. LINGLE.

Physiology of Digestion, Secretion and Metabolism. Double Minor. (8) Prerequisites: (2) and (5)*Summer Quarter.*

DR. LINGLE.

Physiological Demonstration. Double Minor. (14)

It is the aim of this course to give to teachers in the High Schools and Colleges an opportunity to become familiar with the typical physiological experiments.

XXV. NEUROLOGY.

Autumn Quarter.

PROFESSOR DONALDSON.

The Architecture of the Central Nervous System. Double Major. (1) Prerequisite: General Histology.***Seminary.** Double Minor. (6)*Winter Quarter.*

PROFESSOR DONALDSON.

Anatomy of the Special Sense Organs. Major. 1st Term. (2). Prerequisite: General Histology.**Physical Characters of the Brain as Related to the Intelligence.** Major. 2d Term. (3) Prerequisite: General Histology.***Seminary.** Double Minor. (6)*Spring Quarter.*

PROFESSOR DONALDSON.

Doctrine of Localization of Function in the Cerebral Cortex. Double Major. (4) Prerequisites: Histology and Elementary Physiology.***Seminary.** Double Minor. (6)*Summer Quarter.*

PROFESSOR DONALDSON.

The Development of the Central Nervous System. Double Major. (5) Prerequisites: Histology and Embryology.***Seminary.** Double Minor. (6)

PRELIMINARY ANNOUNCEMENTS FOR THE ACADEMIC COLLEGES.

The following is a list of the titles of courses to be offered in the Academic Colleges from October, 1893, to October, 1894. For full description of courses consult the ANNUAL REGISTER or the DEPARTMENTAL PROGRAMMES. The number of each course in the REGISTER is indicated by the figure in parentheses following the title.

Fuller Announcements for the Summer Quarter (1894) will be made in later numbers of the CALENDAR.

III. POLITICAL ECONOMY.

Autumn Quarter.

PROFESSOR A. C. MILLER.

Principles of Political Economy. Double Minor. (1)
Open only to students who elect 1A or 1B in the Winter Quarter.

Winter Quarter.

PROFESSOR A. C. MILLER.

Advanced Political Economy. Double Minor. (1A)

MR. CALDWELL.

Descriptive Political Economy. Double Minor. (1B)

IV. HISTORY.

Autumn Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. Double Minor. (41)

DR. SCHWILL.

Outline History of Modern Europe. Double Minor. (42)

Winter Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. Double Minor. (41)

DR. SCHWILL.

Outline History of Modern Europe. Double Minor. (42)

Spring Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. Double Minor. (41)

DR. SCHWILL.

Outline History of Modern Europe. Double Minor. (42)

X. THE GREEK LANGUAGE AND LITERATURE.

Autumn Quarter.

PROFESSOR SHOREY.

Homer. Double Minor. (7) Open to Academic College Students who have completed two or more Majors with credit.

ASSOCIATE PROFESSOR TARBELL.

Two Plays of Euripides. Double Minor. (4)

ASSISTANT PROFESSOR CASTLE.

Xenophon, Memorabilia. Plato, Apology and Crito. Double Major. (2)

Winter Quarter.

MR. ———

Homer, Iliad, Books I-III. Review of Greek Grammar. Double Major. (1) Intended for students entering with Greek 1) and 2) only. This course will not be counted as one of the three required Majors in Greek.

Spring Quarter.

PROFESSOR SHOREY.

Introduction to Study of the Greek Drama. Double Minor. (17) Open to Academic College Students who have completed two or more Majors with credit.

ASSOCIATE PROFESSOR TARBELL.

Demosthenes, Philippics and Olynthiacs. Double Minor. (6)

ASSISTANT PROFESSOR CASTLE.

Lysias. Selected Orations. Double Major. (3)
Not open to students who take Course (2)

Summer Quarter.

MR. ———.

Xenophon, Memorabilia. Plato, Apology and Crito. Double Major. (2)

XI. THE LATIN LANGUAGE AND LITERATURE.

Autumn Quarter.

DR. MILLER.

Horace (Odes). Section 1. Double Minor.
Horace (Odes). Section 2. Double Minor.

DR. BATTEL.

Cicero, Livy, Terence, and Tacitus. Section 1. Double Major.

MR. EMERY.

Cicero, Livy, Terence, and Tacitus. Section 2. Double Major.

MR. ———.

Virgil and Cicero. Double Major.

Winter Quarter.

DR. MILLER.

Horace (Odes). Double Minor.

Horace (Satires); Seneca (Tragedies). Double Minor.

DR. BATTEL.

Cicero, Livy, Terence, Tacitus. Section 1. Double Major.

MR. EMERY.

Cicero, Livy, Terence, Tacitus. Section 2. Double Major.

MR. ———.

Virgil and Cicero. Double Major.

Spring Quarter.

DR. MILLER.

Cicero, Livy, Terence, Tacitus. Section 1. Double Major.

DR. BATTEL.

Selections from Ovid, Horace, Catullus. Section 2. Double Minor.

Horace (Odes). Double Minor.

MR. EMERY.

Cicero, Livy, Terence, and Tacitus. Section 2. Double Major.

MR. ———.

Selections from Ovid, Horace, Catullus, and Cicero's Letters. Section 1. Double Minor.

Summer Quarter.

DR. MILLER.

Cicero (De Senectute); the Writing of Latin. Minor. 1st Term.

Terence. Minor. 1st Term.

DR. BATTEL.

Livy; the Writing of Latin. Minor. 2d Term.

Horace (Odes). Minor. 2d Term.

XII. ROMANCE LITERATURE AND PHILOLOGY.

Autumn Quarter.

DR. KINNE.

French. Selections from Erckmann-Chatrian, etc. Double Major. (28)

French Grammar. Knapp's French Readings (for Beginners). Double Minor. (29)

MISS WALLACE.

Knapp's Spanish Grammar. Double Minor. (9)

Winter Quarter.

DR. KINNE.

Knapp's French Readings. Short French Plays. Double Minor. (30)

French. Selections from Musset, Lamartine, etc. Double Major. (31)

Spring Quarter.

ASSISTANT PROFESSOR BERGERON.

Rapid Analysis of the Works of Chateaubriand, Hugo, etc. Double Minor. (33)

Elements of French Literature. Double Minor. (34)

DR. KINNE.

French. Selections from Erckmann-Chatrian, etc. Double Major. (28)

French Grammar. Knapp's French Readings (for Beginners). Double Minor. (29)

Summer Quarter.

DR. KINNE.

French Grammar. Easy French Readings. Double Minor. (32)

XIII. THE GERMANIC LANGUAGES AND LITERATURES.

Autumn Quarter.

ASSISTANT PROFESSOR CUTTING.

Elementary Course. Double Major. (18)

DR. SCHMIDT-WARTENBERG.

Modern Prose. Double Minor. (20)

Outline Study of Goethe's Works. Double Minor. (24)

DR. VON KLENZE.

Modern Prose. Double Minor. (20)

German Lyrics. Double Minor. (22)

MR. MULFINGER.

Elementary Course in German. Double Major. (18)

Winter Quarter.

ASSISTANT PROFESSOR CUTTING.

Elementary Course. Double Major. (18)

German Comedies. Double Minor. (21)

MR. MULFINGER.

Elementary Course. Double Major. (18)

German Grammar. Double Minor. (19)

Spring Quarter.

ASSISTANT PROFESSOR CUTTING.

Modern Prose. Double Minor. (20)

DR. SCHMIDT-WARTENBERG.

Modern Prose. Double Minor. (20)

DR. VON KLENZE.

Modern Prose. Double Minor. (20)

German Prose Composition. Minor. 2nd Term. (23)

Summer Quarter.

DR. VON KLENZE.

Modern Prose. Double Minor. (20)**German Lyrics.** Double Minor. (22)

MR. MULFINGER.

Elementary Course. Double Major. (18)

XIV. THE ENGLISH LANGUAGE AND LITERATURE AND RHETORIC.

Autumn Quarter.

ASSISTANT PROFESSOR TOLMAN.

English Literature. Double Minor. (3) Prerequisite: (1) Required of all Academic College students.**English Lyric Poetry.** Double Minor. (4) Prerequisite. (3)

MR. HERRICK.

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. LEWIS.

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. ———

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Robert Browning. Double Minor. (20) Prerequisite. (3)*Winter Quarter.*

ASSISTANT PROFESSOR TOLMAN.

English Literature. Double Minor. (3) Prerequisite: (1) Required of all Academic College students.**English Romantic Poetry from 1780-1830.** Double Minor. (18) Prerequisite. (3)

MR. HERRICK.

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. LEWIS.

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. ———

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Tennyson and Arnold. Double Minor. (21) Prerequisite. (3)*Spring Quarter.*

ASSOCIATE PROFESSOR BUTLER.

English Literature. Double Minor. (3) Prerequisite. (1) Required of all Academic College students.

ASSISTANT PROFESSOR TOLMAN.

English Literature. Double Minor. (3) Prerequisite. (1) Required of all Academic College students.

MR. HERRICK.

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. LEWIS.

Rhetoric and Composition. Double Minor. (1) Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. ———

Rhetoric and Composition. Double Minor. Required of all Academic College students. It must be taken immediately after entrance.**English Composition.** Double Minor. (2) Prerequisite: (1) Elective.

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Thoreau, Lowell and Whitman. Double Minor. (22) Prerequisite: English (3).*Summer Quarter.*

The regular courses in Rhetoric and in English Literature will not be given.

XV. BIBLICAL LITERATURE IN ENGLISH.

Autumn Quarter.

MR. ROOT.

History of New Testament Times. Double Minor. (1)

Winter Quarter.

MR. ROOT.

The Life of Christ. Double Minor. (2)

Spring Quarter.

MR. ROOT.

Studies in the Apostolic History. Minor. First Term. (6)

Studies in the Epistles of Paul. Minor. Second Term. (7)

XVI. MATHEMATICS.

Autumn Quarter.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. Double Minor. (7) The elective for the Academic College.

DR. YOUNG.

Required Mathematics. Section III. of the two Majors in Mathematics required in the first year of residence. (4)

DR. BOYD.

Spherical Trigonometry. Minor. 2d Term. (1) Prerequisites: Solid Geometry and Plane Trigonometry.

Plane Trigonometry. Minor. 1st Term. (2) Prerequisite: College Algebra.

Required Mathematics. Section I. of the two Majors in Mathematics required in the first year of residence. (4)

Required Mathematics. Section II. of the two Majors in Mathematics required in the first year of residence. (4)

Winter Quarter.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. Double Minor. (7) Elective.

DR. YOUNG.

Required Mathematics. Section III. of the two required Majors of Mathematics. (4)

DR. BOYD.

Algebra, Plane Trigonometry and Coördinate Geometry of the Point, Line and Circle. Double Minor. (3)

Required Mathematics. Sections I. and II. of the two required Majors of Mathematics. (4)

Required Mathematics. Section IV. of the two required Majors in Mathematics. (4)

Spring Quarter.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. Double Minor. (7)

DR. BOYD.

Required Mathematics. Section IV. of the two required Majors in Mathematics. (4)

MR. ———

Required Mathematics. Section V. of the two required Majors in Mathematics. (4)

XVIII. PHYSICS.

Autumn Quarter.

ASSISTANT PROFESSOR STRATTON.

General Physics. Double Minor. (5) Prerequisite: Plane Geometry.

MR. HOBBS.

Laboratory Practice. Double Minor. (6) Prerequisite (5) for one Quarter.

Winter Quarter.

ASSISTANT PROFESSOR STRATTON.

General Physics. Double Minor. (5) Prerequisite: Plane Geometry.

MR. HOBBS.

Laboratory Practice. Double Minor. (6) Prerequisite (5) for one Quarter.

Spring Quarter.

MR. HOBBS.

Laboratory Practice. Double Minor. (6) Prerequisite (5) for one Quarter.

Summer Quarter.

MR. HOBBS.

Laboratory Practice. Double Minor. (6) Prerequisite (5) for one Quarter.

XIX. CHEMISTRY.

Autumn Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Double Minor. (1) A continuous course through three Quarters.

Winter Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Double Minor. (1) Prerequisite (1) in 1st Quarter.

Spring Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Double Minor. (1) Prerequisite (1) in 1st and 2d Quarters.**General Chemistry, Extra Laboratory Work.** Double Minor. (6) Open only to a limited number of students in the (1).*Summer Quarter.*

DR. LENGFELD.

General Inorganic Chemistry. Double Minor. (7)

XX. GEOLOGY.

Autumn Quarter.

PROFESSOR SALISBURY.

Physiography. Double Minor. (1)*Winter Quarter.*

PROFESSOR SALISBURY.

Physiography. Double Minor. (1)

XXII. ZÖOLOGY.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology. Minor. 1st Term. (8)

DR. JORDAN.

Elementary Zoölogy. Double Minor. (5) Prerequisites: Elementary Chemistry and Physics.*Winter Quarter.*

DR. JORDAN.

Elementary Zoölogy. Double Minor. (5) Prerequisites: Elementary Chemistry and Physics.

XXIV. PHYSIOLOGY.

Spring Quarter.

DR. LINGLE.

General Physiology of Animals and Plants. 3 lectures a week. (9).

XXVI. ELOCUTION.

Autumn Quarter.

MR. CLARK.

Theory and Practice. One hour a week. Required of students in 2d year of Academic Colleges. (1).**Advanced Elocution.** Minor (2). Open to the University Colleges and to students in the Academic Colleges who have completed (1)*Winter Quarter.*

MR. CLARK.

Theory and Practice. One hour a week. (1)**Writing and Delivery of Original Orations, Analysis and Reading of Macbeth.** Minor (3). Prerequisites: (1) and (2)*Spring Quarter.*

MR. CLARK.

Theory and Practice. One hour a week. (1)

XXVII. PHYSICAL CULTURE.

Class Work in Physieal Culture is required of all undergraduate students not excused on account of physieal disability, during four half-hours a week. Students are given choice of hour and course. Courses are offered in prescriptive work, general class drills, and athletic training. Each course is so arranged that those who take part in it receive work which tends to symmetrical development.

Students will select their period for class work from the following: men—8:45, 10:15, 11:15 A.M.; 12:15, 4:30, 5:15 P.M. Women—12:15, 3:15, 4:45, 5:15 P.M. The 3:15 and 5:15 P.M. classes for women are for those who took the work in 1892-93. Classes in prescriptive work will be formed for both men and women. Application may be made to the gymnasium instructor by those wishing to join these classes. Training for any of the University Athletic Teams will be accepted as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday, Wednesday, Thursday and Friday of each week. Bulletins containing appointments for physieal examination and departmental communications will be posted on the Physical Culture bulletin board.

PRELIMINARY ANNOUNCEMENTS FOR GRADUATE DIVINITY SCHOOL.

XXX. OLD TESTAMENT LITERATURE AND EXEGESIS.

VII. SEMITIC LANGUAGES AND LITERATURES.

Autumn Quarter.

HEAD PROFESSOR HARPER.

Earlier Suras of the Kuran. Major. 1st Term. (64)

The Department Numbers XXX and VII are identical, also XXXI and VIII. For additional courses see announcements of Graduate School and Colleges.

Arabic Geography, History and Commentary.
Major. 2d Term. (67)

PROFESSOR HIRSCH.

Introduction to Talmudic Literature. Minor. 1st Term. (34)

Job. Minor. 1st Term. (40)

Reading of Selected Portions of the Babylonian Talmud. Minor. 2d Term. (37)

Introduction to the Textual Criticism of the Old Testament. Minor. 2d Term. (38)

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. Double Minor. (30)

Bi-lingual Babylonian Psalm Literature. Minor. 2d Term. (77)

Earliest Unilingual Cuneiform Inscriptions. Minor. 1st Term. (78)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity. Double Minor or Major. (IV. 1)

DR. CRANDALL.

Sight Translation in Hebrew. Double Minor. (8)

DR. KENT.

Old Testament Wisdom Literature. Double Minor. (31)

Winter Quarter.

HEAD PROFESSOR HARPER.

Hexateuchal Analysis. Minor. 1st Term. (55)

Phœnician. Minor. 1st Term. (91)

Comparative Semitic Grammar. Minor. 2d Term. (94)

Advanced Hebrew Grammar. Minor. 2d Term. (98)

PROFESSOR HIRSCH.

Arabic, Thousand and One Nights. Minor. 1st Term. (36)

Selected Portions of the Mishna. Minor. 1st Term. (43)

Coptic. Minor. 2d Term. (44)

New Testament and Talmudic Analogies. Minor. 2d Term. (46)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. Major. 1st Term. (2)

Isaiah, Chapter XL-L. Double Minor. (23)

Biblical Aramaic. Minor. 2d Term. (80)

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. Double Minor. (69)

Advanced Assyrian. Double Minor. (71)

Beginning Syriac. Double Minor. (88)

DR. CRANDALL.

Historical Hebrew. Minor. 2d Term. (4)

DR. KENT.

Apocryphal Wisdom Literature. Double Minor. (32)

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History from the Exile to the Christian Era. Minor. 1st Term. (IV. 2a)

Spring Quarter.

HEAD PROFESSOR HARPER.

The Book of the Covenant. Major. 1st Term. (13)

Old Testament Legal Literature. Major. 2d Term. (27)

Hebrew Language. Double Minor. (1)

PROFESSOR HIRSCH.

Advanced Syriac. Minor. 1st Term. (50)

Abodah Zarah. Minor. 1st Term. (48)

Maimonides' "Guide" in Arabic Hebrew. Minor. 2d Term. (51)

Advanced Syriac. Minor. 2d Term. (52)

ASSOCIATE PROFESSOR PRICE.

Isaiah. Chapters i-xxxix (English). Minor. 1st Term. (XII. A1)

Modern Discoveries and the Old Testament. Minor. 1st Term. (56)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. Minor. 2d Term. (IV. 3b)

ASSOCIATE PROFESSOR HARPER.

Assyrian and Babylonian Life. Minor. 1st Term. (59)

Assyrian Letters. Minor. 1st Term. (75)

Mesopotamian Geography. Minor. 2d Term. (61)

Babylonian Contracts. Minor. 2d Term. (76)

DR. CRANDALL.

Sight Translation in Hebrew. Minor. 1st Term. (9)

DR. KENT.

Introduction to Biblical History. Double Minor. (33)

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period. Minor. 2d Term. (11)

The Arabic Language. Minor. 2d Term. (63)

Advanced Hebrew Grammar. Minor. 2d Term. (97)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language Major. 1st Term. (3)

Ezekiel. (English) Minor. 1st Term. (XII. A2)

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonian-Assyrian History. 2d Term. (IV. 56)

The Relations of Hebrew and Egyptian History. Minor. 1st Term. (IV. 5a)

Islam. Double Minor. (VI. 2)

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. Double Minor. (69)

Advanced Assyrian. Double Minor. (71)
The Book of Proverbs. Minor. 1st Term. (17)
Micah. Minor. 2d Term. (14)
 DR. CRANDALL.
Historical Hebrew. Minor. 2d Term. (5)

XXXI. NEW TESTAMENT LITERATURE AND EXEGESIS.

The Department Numbers XXXI and VIII are identical; also XXX and VII. For additional courses see announcements for Graduate School and Colleges.

Autumn Quarter.

HEAD PROFESSOR BURTON.

The Gospel of Matthew. Double Minor. (8) Prerequisite: Course (1) must precede or accompany this course or (2) precede it.

ASSISTANT PROFESSOR NORDELL.

New Testament Greek. (Grammar.) Double Minor. (1)

NOTE.—This course is intended to furnish linguistic preparation for the exegetical study of the New Testament and is prescribed for all candidates for the degree of B. D. An examination covering the ground of the course will be accepted in lieu of the course.

MR. VOTAW.

Paul's Corinthian Epistles. Minor. 2d Term. (14)

Winter Quarter.

ASSISTANT PROFESSOR NORDELL.

The Gospel of John. Double Minor. (10) Prerequisites: (1) and (8)

Spring Quarter.

ASSISTANT PROFESSOR NORDELL.

The Gospel of Luke. Minor. 2d Term. (9)
History of the Canon of the New Testament. Double Minor. (23)

Summer Quarter.

HEAD PROFESSOR BURTON.

The Second Group of the Letters of the Apostle Paul. Minor. 1st Term. (15)

The Third Group of the Letters of the Apostle Paul. Minor. 2d Term. (16)

New Testament Syntax. Inductively studied. Minor. 1st Term. (7)

Textual Criticism of the New Testament. Minor. 2d Term. (22)

XXXII. BIBLICAL THEOLOGY.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Theology of the Synoptic Gospels. Double Minor (1) Prerequisites: XXXI (1) and (8)

Spring Quarter.

ASSISTANT PROFESSOR NORDELL.

Seminary on the Theology of the Gospel of John. Minor. 1st Term. (3) Prerequisites: XXXI. (1), (8) and (10)

XXXIII. SYSTEMATIC THEOLOGY.

Autumn Quarter.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. Double Minor. (1) Required for students who have been in the School one year.

Soteriology. Double Minor. (4) Prerequisites: Theology Proper and Anthropology. For students who have been two years in the School.

ASSISTANT PROFESSOR SIMPSON.

Apologetics. Double Minor. (2) Required of students in the first year.

Winter Quarter.

HEAD PROFESSOR NORTHRUP.

Christian Ethics. Double Minor. (6) Elective.

Theology as Taught by Paul. Double Minor. (12)

ASSISTANT PROFESSOR SIMPSON.

Anthropology. Double Minor. (3)

Spring Quarter.

HEAD PROFESSOR NORTHRUP.

The Relation of Philosophy to the Christian Religion. Major. 1st Term. (7) Elective.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. Minor. 1st Term. (5) Elective for students who have completed the preceding studies of the Theological Course.

XXXIV. CHURCH HISTORY.

Autumn Quarter.

HEAD PROFESSOR HULBERT.

The English Reformation and Puritanism. Double Minor. (12)

The Anglican Church. Double Minor. (20) See Course (12).

Under the Tudors, A.D. 1509-1603. Double Minor. (27) See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. Double Minor. (1)
From Boniface VIII. to Luther, A.D. 1294-1517. Double Minor. (5) See Course (10).

The Reformers: Wiclif, Huss, Savonarola. Double Minor. (9) See Course (10).

Preparation for the Protestant Reformation. Double Minor. (10)

Winter Quarter.

HEAD PROFESSOR HULBERT.

From Constantine to Theodosius, A.D. 311-395.
Double Minor. (2)

The English Reformation and Puritanism. Double
Minor. (12)

The Scotch Reformation. Minor. 2d Term. (14)
In Celtic and in Anglo-Saxon Britain, A.D. 30-
1066. Double Minor. (24) See Courses (2)
and (3).

Under the Stuarts, A. D. 1603-1688. Double
Minor. (28) See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

The German Reformation. Double Minor. (11)

The Lutheran Church. Double Minor. (13) See
Course (11).

Spring Quarter.

HEAD PROFESSOR HULBERT.

From Charles the Great to Boniface VIII., A. D.
814-1294. Major. 1st Term. (4)

ASSISTANT PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. Major. 1st
Term. (1) Required of 1st year men.

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL
DUTIES.

Autumn Quarter.

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. Double
Minor. (4)

Winter Quarter.

HEAD PROFESSOR ANDERSON.

Homiletics. Double Minor. (2)

History of Preaching. Double Minor. (3)

XV. BIBLICAL LITERATURE IN ENGLISH.

Courses in this department in the Graduate School
and the Colleges, are open to students in the Divinity
School.

Winter Quarter.

ASSISTANT PROFESSOR NORDELL.

The Life and the Epistles of Paul. Double
Minor. (15)

ANNOUNCEMENT FOR THE ENGLISH THEOLOGICAL SEMINARY.

THE PRESCRIBED CURRICULUM FOR THE
JUNIOR YEAR.

Autumn Quarter.

HEAD PROFESSOR ANDERSON.

Homiletics. Double Minor. XXXV. (6)

ASSISTANT PROFESSOR NORDELL.

Historical Study of the Life of Christ. Double
Minor. XV. (14)

ASSISTANT PROFESSOR SIMPSON.

Inspiration and Theology proper. Double Minor.
XXXIII. (8)

Winter Quarter.

ASSOCIATE PROFESSOR PRICE.

Isaiah, XL-LXVI. Double Minor.

ASSISTANT PROFESSOR SIMPSON.

Anthropology. Minor. 1st Term. XXXIII. (9)

ASSISTANT PROFESSOR JOHNSON.

History of the Church prior to Constantine, A. D.
30-311. Double Minor. XXXIV. (1)

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

Isaiah, I-XXXIX. Minor. 1st Term.

ASSISTANT PROFESSOR NORDELL.

Studies in the Gospels on the basis of the Revised
Version. Minor. 1st Term. XV. (16)

THE PRESCRIBED CURRICULUM FOR THE
SENIOR YEAR.

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel and Kings. Double Minor.

HEAD PROFESSOR HULBERT.

History of the Church from Constantine to Theo-
dosius, A. D. 311-395. Double Minor. XXXIV. (2)

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. Double Minor.
XXXV. (4)

Winter Quarter.

HEAD PROFESSOR HULBERT.

History of the Church from Theodosius to Charles
the Great, A. D. 395-814. Minor. 1st Term.
XXXIV. (3)

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. Double Minor.
XXXIII. (12)

HEAD PROFESSOR ANDERSON.

Homiletics. Double Minor. XXXV. (4)

ASSISTANT PROFESSOR SIMPSON.

Soteriology. Minor. 2d Term. XXXIII. (10)

Spring Quarter.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. Minor. 1st Term. XXXIII. (5)

ANNOUNCEMENT FOR THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

XL. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (DAN.-NOR.)

Autumn Quarter.

ASSISTANT PROFESSOR GUNDERSON.

General Introduction. Minor. 1st Term. (1)

Particular Introduction. Minor. 1st Term. (2)

The Principles of Biblical Interpretation. Minor. 2d Term. (3)

Exegesis. The Epistle to the Galatians. Minor. 2d Term. (6)

Winter Quarter.

ASSISTANT PROFESSOR GUNDERSON.

Exegesis. The Epistle to the Romans. Double Minor. (7)

The Parables of Our Lord. Double Minor. (5)

Spring Quarter.

ASSISTANT PROFESSOR GUNDERSON.

Sacred Geography and Biblical Antiquities. Minor. 1st Term. (4)

The Epistle to the Ephesians. Minor. 1st Term. (8)

XLI. SYSTEMATIC THEOLOGY. (DAN.-NOR.)

Winter Quarter.

PROFESSOR JENSEN.

Introduction to the Science of Christian Theology. Minor. 1st Term. (1)

Antecedents of Redemption. Minor. 1st Term. (2)

Redemption Itself. Minor. 2d Term. (3)

Consequents of Redemption. Minor. 2d Term. (4)

Spring Quarter.

PROFESSOR JENSEN.

Church Polity. Minor. 1st Term. (5)

New Testament Ethics. Minor. 1st Term. (6)

XLII. HOMILETICS AND PASTORAL DUTIES. (DAN.-NOR.)

Autumn Quarter.

PROFESSOR JENSEN.

Theory of Preaching. Minor. 1st Term. (1)

Sermonizing and Preaching. Double Minor. (2)

Pastoral Theology. 2d Term. (3)

ANNOUNCEMENTS FOR THE SWEDISH THEOLOGICAL SEMINARY.

XLV. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (SWEDISH.)

Autumn Quarter.

ASSISTANT PROFESSOR MORTEN.

An Outline of Israelitish History. Minor. 2d Term. (1)

Exegesis. The Gospels in Harmony. Double Minor. (3)

Exegesis. First and Second Thessalonians. Minor. 1st Term. (4)

Exegesis. The Epistle to the Romans. Minor. 2d Term. (5)

Spring Quarter.

ASSISTANT PROFESSOR MORTEN.

Biblical Interpretation. Minor. 1st Term. (2)

XLVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES. (SWEDISH.)

Autumn Quarter.

PROFESSOR LAGERGREN.

Theological Prenotions. Minor. 1st Term. (1)

General Introduction. Minor. 2d Term. (2)

The Doctrine of Redemption and Salvation. (Soteriology.) Minor. 1st Term. (6)

The Doctrine of the Church, or Church Polity. Minor. 2d Term. (7)

Winter Quarter.

PROFESSOR LAGERGREN.

The Bible a Revelation from God. Minor. 1st Term. (3)

The Doctrine of God. (Theology Proper.) Minor. 2d Term. (4)

The Last Things. (Eschatology.) Minor. 1st Term. (8) • **Mediaeval Church History.** Minor. 2d Term. (2)

Symbolics. Minor. 2d Term. (9)

Spring Quarter.

Spring Quarter.

ASSISTANT PROFESSOR SANDELL.

Modern Church History. Minor. 1st Term. (3)

PROFESSOR LAGERGREN.

The Doctrine of Man, or Theory Proper. Minor.
1st Term. (5)

Pastoral Duties. Minor. 1st Term. (10)

XLVIII. HOMILETICS. (SWEDISH.)

Winter Quarter.

XLVII. CHURCH HISTORY. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Theoretical Homiletics. Minor. 1st Term. (1)

Practical Homiletics. Minor. 2d Term. (2)

ASSISTANT PROFESSOR SANDELL.

Ancient Church History. Minor. 1st Term. (1)

PART IV.—THE UNIVERSITY EXTENSION DIVISION.

THE LECTURE STUDY DEPARTMENT.

The following list includes the centres organized by this department since October 1, 1892. The information regarding the centres is, in each case, given in the following order: Name of Centre; location of hall where lectures were given; and the name and address of the Local Secretary.

CENTRES IN CHICAGO.

All Souls (S. E. corner Oakwood Boulevard and Langley Ave.)—Mrs. E. T. Leonard, 6600 Ellis Ave.
Association (Union Park Church, Ashland Ave. and Washington Boulevard)—A. D. Mackay, Madison and Paulina Sts.
Church of Redeemer (Warren Ave. and Robey St.)—Hon. S. N. Brooks, 271 Warren Ave.
Centenary (295 W. Monroe St.)—M. E. Cole, 99 Washington St.
Drexel (Drexel Boulevard, corner 40th St.)—E. J. Townsend, 4426 Champlain Ave.
Englewood (Ill.)—R. A. White, 6638 Stewart Ave.
Hull House (355 S. Halsted St.)—Miss Jane Addams, 335 S. Halsted St.
Hyde Park (Washington Ave., corner 53d St.)—C. H. Smith, 5484 Monroe Ave.
Kenwood (Greenwood Ave. and 46th St.)—E. G. Shumway, 4549 Ellis Ave.
K. A. M. Knowledge Seekers (33d St. and Indiana Ave.)—Rev. I. S. Moses, 3131 Prairie Ave.
Lake View (Evanston Ave. and School St.)—Frank H. McCulloch, 1116 The Rookery.
Millard Ave.—Miss Jessie Stiles, Millard Ave.
Memorial (Oakwood Boulevard, near Cottage Grove Ave.)—Mrs. C. A. Crandall, 4443 Berkeley Ave.
Normal Park.—Rev. W. B. Matteson, 7018 Wright St.
Newberry Library (Lectures partly given at Unity Church, Dearborn Ave. and Walton Place)—George L. Hunter, N. State and Oak Sts.
Owen Scientific Centre—C. E. Bentley, 277 State St.
Plymouth (2535 Michigan Ave.)—C. E. Boynton, 3619 Lake Ave.
People's Institute (Van Buren St. near Leavitt St.)—Miss H. M. Fallows, 967 W. Monroe St.
St. James (Wabash Ave. and 29th St.)—Miss Minnie R. Cowan, 2975 Wabash Ave.
St. Paul's (Prairie Ave. and 30th St.)—Miss Sarah Hanson, Belvedere Flats, Cottage Grove Ave. and 31st St.

Sinai (Indiana Ave. and 21st St.)—Rose G. Kauffman, 3313 Calumet Ave.
Union Park (Monroe and Laflin Sts.)—Dr. G. F. Washburne, 551 Jackson Boulevard.
University (Ellis Ave. and 58th St.)—Charles Zeublin, University of Chicago.
Wicker Park (Hoyne Ave. and Lemoyne St.)—Miss A. A. Deering, 23 Ewing Place.

CENTRES OUTSIDE OF CHICAGO.

Unless otherwise specified, the address preceding the name of the Local Secretary is the only one required.

Aurora (Ill.)—Mrs. Agnes C. Willey.
Austin (Ill.)—S. R. Smith.
Arlington Heights (Ill.)—William A. Newton, Box 35.
Barrington (Ill.)—Luella M. Clarke.
Blue Island (Ill.)—William A. Blodgett.
Detroit (Mich.)—Henry A. Ford, 401 Second Ave.
Decatur (Ill.)—James Lindsay.
East Chicago (Ind.)—Miss Edith Middleton.
Elgin (Ill.)—Miss Bessie G. Childs.
Freeport (Ill.)—John F. Shaible.
Flint (Mich.)—Miss Emily E. West.
Galesburg (Ill.)—Pres. John H. Finley.
Galena (Ill.)—Miss Kate A. McHugh.
Highland Park (Ill.)—Major H. P. Davidson.
Indianapolis (Ind.)—Miss Amelia W. Platter.
Irving Park (Ill.)—Miss Edith Tompkins.
Joliet (Ill.)—Walter Crane.
Kalamazoo (Mich.)—S. O. Hartwell.
La Salle (Ill.)—Miss Emma Werley.
La Porte (Ind.)—Prof. J. F. Knight.
La Fayette (Ind.)—Miss Helen Hand.
Lemont, (Ill.)—S. V. Robbins.
Morgan Park (Ill.)—Robert B. Thompson.
Monmouth (Ill.)—Miss Mary Wallace.
Maywood (Ill.)—Miss Ella Andrew.
Oak Park (Ill.)—William M. Lawton.
Peoria (Ill.)—W. E. McCord.
Palatine (Ill.)—Miss Vashti Lambert.
Quincy (Ill.)—Edwin A. Clarke.
Riverside (Ill.)—Charles H. Gould.
Rockford (Ill.)—H. S. Whipple.
Rochelle (Ill.)—C. F. Philbrook.
Rogers Park (Ill.)—Mrs. E. L. Alling.

Ravenswood (Ill.)—Mrs. Anna L. Pitkin.
 Round Table (Kankakee, Ill.)—W. R. Breckenridge.
 South Evanston (Ill.)—Mrs. W. M. Green,
 Springfield (Ill.)—Supt. J. H. Collins.
 Sterling (Ill.)—Curtis Bates.
 Shurtleff College (Upper Alton, Ill.) Dr. A. A.
 Kendrick.
 Toledo (Ohio)—H. W. Compton.

Tracy (Ill.)—T. A. Dungan.
 Wheaton (Ill.)—Graham Burnham.

DISTRICT ASSOCIATIONS.

Cook County Association.—Mr. Geo. Leland Hunter,
 North State and Oak Sts., Chicago.
 Northern Illinois District Association.—Miss Flora
 Guiteau, Freeport.

AUTUMN QUARTER.

The following table exhibits the work of this Department for the Autumn and Winter Quarters. The first course of Lectures was given by Prof. Richard Green Moulton, at the All Souls Centre, beginning Sunday, October 2d, 1892, on "The Literary Study of the Bible." All of the courses were of six lectures each.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
All Souls.....	R. G. Moulton.....	The Literary Study of the Bible	500	0	0	0
All Souls.....	Ira M. Price.....	Monumental Witnesses.....	130	0	3	0
Association.....	E. W. Bemis.....	Money.....	158	95	7	5
Association.....	E. W. Bemis.....	Some Methods of Social Reform	80	70	4	3
Drexel.....	R. G. Moulton.....	The Tempest.....	475	300	19	9
Englewood.....	R. G. Moulton.....	Literary Study of the Bible.....	450	0	0	0
Hyde Park.....	E. W. Bemis.....	Methods of Social Reform	130	108	2	1
Hull House.....	Nath'l Butler, Jr.....	English Literature.....	85	85	9	6
Kenwood.....	T. J. Lawrence.....	English Parties and American Independence.....	250	50	13	9
Millard Avenue.....	E. W. Bemis.....	Methods of Social Reform.....	453	325	30	22
Newberry Library.....	R. G. Moulton.....	Shakespeare's Tempest.....	49	33	6	5
Newberry Library.....	F. W. Shepardson.....	Columbus and the Discovery of America.....	49	33	6	5
Normal Park.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	400	200	5	2
Normal Park.....	E. W. Bemis.....	The Labor Question.....	40	20	2	2
Plymouth Church.....	E. W. Bemis.....	Methods of Social Reform	90	50	4	0
Plymouth Church.....	T. J. Lawrence.....	Some Great English Rulers.....	300	100	9	2
People's Institute.....	R. G. Moulton.....	Literary Study of the Bible.....	1200	0	0	0
St. Paul's.....	Chas. Zeublin.....	English Fiction and Social Reform.....	135	50	3	0
Sinai.....	Edward Bensly.....	Some English Poets.....	250	100	3	0
Union Park.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	650	300	18	14
Union Park.....	H. P. Judson.....	American Political History.....	350	200	10	5
University.....	R. G. Moulton.....	The Story of Faust.....	450	200	44	42
University.....	R. G. Moulton.....	Tempest.....	450	150	27	32

CENTRES OUTSIDE OF CHICAGO.

Aurora.....	Arthur Kaiser.....	Early American History.....	150	0	0	0
Detroit.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	725	625	22	8
Elgin.....	Nath'l Butler, Jr.....	English Literature.....	124	75	4	3
Freeport.....	E. W. Bemis.....	Labor Question.....	60	30	1	0
Galesburg.....	Frederick Starr.....	First Steps in Human Progress.....	400	75	2	3
Highland Park.....	Frederick Starr.....	First Steps in Human Progress.....	100	50	20	17
Joliet.....	F. W. Shepardson.....	Christopher Columbus.....	24	10	1	1
La Salle.....	T. J. Lawrence.....	English Parties and American Independence.....	120	15	2	6
Morgan Park.....	Frederick Starr.....	Some First Steps in Human Progress.....	200	150	1	0
Oak Park.....	T. J. Lawrence.....	English Parties and American Independence.....	100	10	2	2
Peoria.....	T. J. Lawrence.....	English Parties and American Independence.....	300	40	4	2
Rochelle.....	Chas. Zeublin.....	English Fiction and Social Reform.....	100	60	2	2
Riverside.....	Edward Bensly.....	Modern English Novelists.....	65	62	0	0
Rockford.....	H. P. Judson.....	American Political History.....	75	30	2	2
Toledo.....	Edward Bensly.....	Some English Poets of the Victorian Era.....	200	75	2	2

WINTER QUARTER.

NOTE:—As a few of the winter courses are not finished, and as many more have closed only recently, it has not been practicable to make the following table complete. A fuller statement will be issued in the autumn.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
All Souls.....	E. G. Hirsch.....	The Talmud.....	225	0	0	0
All Souls.....	Frederick Starr.....	First Steps in Human Progress.....	150	150	1	1
All Souls.....	Frederick Starr.....	Native Races of North America.....	.....	.....	.....	.....
Association.....	Lorado Taft.....	Art at the Columbian Exposition.....	301	15	4	1
Church of Redeemer.....	O. J. Thatcher.....	Middle Ages.....	125	125	3	2
Centenary M.E. Church.....	Richard G. Moulton.....	Bible Course.....	165	0	0	0
Drexel.....	Lorado Taft.....	Art at the Columbian Exposition.....	400	.....	4	2
Drexel.....	W. M. R. French.....	Painting and Sculpture.....	.....	.....	.....	.....
Englewood.....	Ira M. Price.....	What the Monuments Tell Us Concerning the Old Testament.....	215	0	3	3
Hyde Park M. E. Church.....	Richard G. Moulton.....	Literary Study of the Bible.....	130	66	3	1
Herder Lodge.....	H. B. Grose.....	Character Studies.....	.....	.....	.....	.....
Hull House.....	O. J. Thatcher.....	History of the Middle Ages.....	25	25	3	1
Hull House.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
Hyde Park.....	Lorado Taft.....	Art at the Columbian Exposition.....	405	20	4	1
Kenwood.....	Richard G. Moulton.....	Shakespeare's "Tempest".....	250	100	17	10
Kenwood.....	Richard G. Moulton.....	Literary Study of the Bible.....	.....	.....	.....	.....
Kenwood.....	T. J. Lawrence.....	Some Great English Rulers and Statesmen.....	.....	.....	.....	.....
Kenwood.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
K. A. M.....	H. H. Grose.....	Development of European Nations.....	160	110	9	3
K. A. M.....	Charles Zeublin.....	English Fiction and Social Reform.....	.....	.....	.....	.....
Lake View.....	F. W. Shepardson.....	The Discovery of America.....	.....	.....	.....	.....
Memorial.....	Edward Bensly.....	English Essayists.....	265	.....	4	6
Memorial.....	C. R. Henderson.....	Social Science.....	75	75	.....	0
Newberry Library.....	W. H. Mace.....	American Revolution.....	.....	.....	.....	.....
Newberry Library.....	Richard G. Moulton.....	Literary Study of the Bible.....	305	139	29	16
Newberry Library.....	J. P. Gordy.....	History of Political Parties in the United States.....	64	49	7	2
Newberry Library.....	Edward Bensly.....	English Novels.....	157	80	17	10
Newberry Library.....	Edward Bensly.....	Literature of the Victorian Era.....	.....	.....	.....	.....
Newberry Library.....	Lorado Taft.....	Art at the Columbian Exposition.....	337	34	6	2
Newberry Library.....	Ira M. Price.....	What the Monuments Tell Us Concerning the Old Testament.....	.....	.....	.....	.....
Owen Scientific.....	Frederick Starr.....	First Steps in Human Progress.....	.....	.....	.....	.....
People's Institute.....	Ira M. Price.....	What the Monuments Tell Us Concerning the Old Testament.....	800	0	0	0
Plymouth.....	Richard G. Moulton.....	Shakespeare's "Tempest".....	400	200	13	3
Plymouth.....	Richard G. Moulton.....	The Story of Faust.....	400	200	15	9
Plymouth.....	W. M. R. French.....	Painting and Sculpture.....	.....	.....	.....	.....
Rogers Park.....	Frederick Starr.....	Native Races of North America.....	175	150	9	10
Rogers Park.....	Lorado Taft.....	Art at the Columbian Exposition.....	150	30	5	3
Sinai.....	E. W. Bemis.....	Social Reforms.....	.....	.....	.....	.....
Sinai.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
St. James.....	Nathaniel Butler, Jr.....	English Literature.....	250	100	13	32
St. Pauls.....	Nathaniel Butler, Jr.....	English Literature.....	80	75	3	5
St. Pauls.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
Union Park.....	E. W. Bemis.....	Social Reforms.....	75	50	.....	.....
Union Park.....	Nathaniel Butler, Jr.....	English Literature.....	150	125	8	9
Union Park.....	H. P. Judson.....	American Political History.....	350	200	10	5
University.....	Richard G. Moulton.....	Literary Interpretation.....	350	200	34	9
University.....	Richard G. Moulton.....	Spenser and Milton.....	350	200	33	34
Wicker Park.....	Charles Zeublin.....	The Industrial Revolution.....	173	136	3	2
Ravenswood.....	Lorado Taft.....	Art at the Columbian Exposition.....	358	0	0	0

WINTER QUARTER (Continued).

CENTRES OUTSIDE OF CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
Austin	H. B. Grose	Development of the European Nations.....	..	..	..	..
Austin	Lorado Taft	Art at the Columbian Exposition.....	..	..	..	..
Arlington Heights	H. B. Grose	Development of the European Nations.....	180	120	13	7
Barrington	H. B. Grose	Character Studies.....	..	..	..	..
Decatur	Edward W. Bemis.....	The Labor Question.....	60	45	0	0
Detroit	Edward W. Bemis.....	The Labor Question.....	75	60	2	1
East Chicago.....	O. J. Thatcher.....	History of the Middle Ages.....	50	50	0	0
Flint	Edward W. Bemis.....	The Labor Question.....	106	92	3½	3
Irving Park.....	Frederick Starr.....	First Steps in Human Progress.....	175	0	2	7
Irving Park.....	Frederick Starr.....	Native Races of North America.....	150	75	12	8
Kalamazoo.....	T. J. Lawrence.....	English Parties and American Independence .....	..	..	..	..
Kankakee.....	R. D. Salisbury.....	Landscape Geology.....	100	95	14	6
Kankakee.....	Charles Zeublin.....	English Fiction and Social Reform.....	..	..	..	..
Knox College.....	H. P. Judson.....	American Political History	275	..	..	..
Lafayette.....	Nath'l Butler, Jr.....	English Literature	175	75	10	..
La Porte.....	H. B. Grose	Development of the European Nations.....	85	85	7	4
La Salle.....	H. L. Russell.....	Bacteriology.....	80	80	1½	2
Monmouth.....	O. J. Thatcher.....	History of the Middle Ages.....	..	..	..	..
Oak Park	Richard G. Moulton.....	Shakespeare's Tempest.....	223	150	9	3
Oak Park	Lorado Taft	Art at the Columbian Exposition.....	..	..	..	..
Peoria	Edward Bensly	Four English Novelists.....	..	..	..	..
Peoria	E. W. Bemis.....	Money.....	100	35	..	1
Palatine.....	E. W. Bemis.....	Some Methods of Social Reform.....	70	60	1	1
Quincy	H. B. Grose	Development of European Nations.....	235	170	7	4
Riverside.....	Edward Bensly.....	English Essayists from Bacon to Lamb.....	265	0	4	6
Rockford.....	H. P. Judson.....	American Political History	175	125	..	3
Rockford.....	Frederick Starr.....	The Native Races of North America.....	..	..	..	..
Springfield.....	Edward Bensly.....	English Novelists.....	..	..	..	..
Springfield.....	W. H. Mace.....	The American Revolution.....	200	180	22	3
Shurtleff College.....	W. H. Mace.....	The American Revolution.....	150	..	15	9
Sterling.....	Charles Zeublin.....	English Fiction and Social Reform.....	200	175	5	1
South Evanston.....	Lorado Taft	Art at the Columbian Exposition.....	300	0	0	0
Toledo	E. W. Bemis.....	Social Reforms.....	100	50	3	0
Wheaton.....	Charles Zenblin.....	English Fiction and Social Reforms.....	160	85	3	2

SUMMARY OF RESULTS.

Total No. Courses.	Total No. Lectures given.	Average attendance at lectures.	Average attendance at each course.	Total attendances.	No. passing examinations.
122	727	..	..	..	217

The catholicity of the work of University Extension is shown by the fact that in the above list are included Centres formed in churches of nearly every denomination: Baptist, Congregationalist, Jewish, Methodist, Presbyterian, Roman Catholic, Unitarian, and Universalist. Centres have also been formed and courses given at the rooms of the Young Men's Christian Association, the Hull House, the Newberry Library, the Joliet Steel Works Club. In addition to these there are Centres grouped about no previously existing organization. These are found especially in the large towns outside of Chicago.

With but two exceptions, these courses have been given in the evening. Afternoon lectures were given during the Autumn and Winter Quarters, at the University Chapel, by Professor Moulton. A six weeks' course of afternoon lectures was also given by Professor Butler, at the Centre connected with the St. James Roman Catholic Church.

The Cook County District Association was organized on Saturday, November 19, 1892, at a meeting held at the Grand Pacific Hotel, in answer to a call sent out by the Union Park, Plymouth, and Newberry Library Centres for University Extension.

At the second meeting, Saturday, November 26, officers were chosen as follows:

President, Chas. E. Boynton, of the Plymouth Centre; vice-president, D. H. Fletcher, of the All Souls' Centre; general secretary, George Leland Hunter (address at Newberry Library); financial secretary, Louis J. Block, of the Union Park Centre. These officers, with Charles H. Smith and J. D. Everett, constitute the Executive Committee. While this Association has no organic connection with the University, its organization is the outgrowth of the work of this Division. Its purpose is to unify and promote the interests of University Extension in Cook County.

The Northern Illinois District Association was organized on Friday, April 28, 1893, at a meeting held at the Y. M. C. A. parlors, in Freeport. Mr. William T. Eaton, of Rockford, was made President; Miss Flora Guitau, of Freeport, Secretary. An Executive Committee was chosen, consisting of the President, the Secretary, and Mr. Alfred Bayliss, Sterling; Mr. O. B. Bidwell, Freeport; Mr. C. F. Philbrook, Rochelle; Mrs. Agnes Clark Willey, Aurora. The purposes of this Association, and its relation to the University are, in general, similar to those of the Cook County Association, already explained.

The following is a complete list of Syllabi published for the lecture-study courses:

NO.		PAGES.	CTS.
1	Butler: English Literature.....	20	10
2	Lawrence: English Parties and American Independence.....	10	20
3	Bemis: Money.....	16	10
4	Moulton: The Story of Faust.....	14	10
5	Bemis: The Labor Question.....	20	15
6	Kaiser: American History: The Land and People Discovered.....	12	10
7	Moulton: Shakespeare's Tempest.....	30	15
8	Moulton: The Literary Study of the Bible.....	74	25
9	Shepardson: Christopher Columbus and the Discovery of America.....	18	10
10	Moulton: Stories as a Mode of Thinking.....	22	10
11	Lawrence: Some Great English Rulers and Statesmen.....	24	15
12	Kaiser: American History, the Discoverers.....	12	10
13	Judson: American Politics: The Period of Dominant Foreign Influence.....	10	10
14	Starr: Some First Steps in Human Progress.....	16	10
15	Bemis: Some Methods of Social Reform.....	18	10
16	Bensly: Four English Novelists.....	32	15
17	Zeublin: English Fiction and Social Reform.....	12	10
18	Bensly: Some English Poets of the Victorian Era.....	30	15
19	Grose: The Development of the European Nations.....	14	10
20	Mace: The American Revolution.....	72	20
21	Price: What the Monuments tell us relative to the Old Testament.....	16	10
22	Thatcher: Beginnings of the Middle Ages.....	10	10

23	Grose:	Character Studies in Modern History.....	12	10
24	Taft:	Art at the Columbian Exposition.....	24	15
25	Starr:	The Native Races of North America.....	12	10
26	Hirsch:	Religion in the Talmud.....	12	10
27	Bensly:	English Essayists, from Bacon to Lamb.....	18	15
28	Salisbury:	Landscape Geology.....	16	10
29	Moulton:	Interpretative Studies in Spenser and Milton.....	30	15
30	Moulton:	Literary Criticism and Theory of Interpretation.....	16	10
31	Henderson:	A Problem in Sociology.....	8	10
32	Judson:	American Politics: The Period of Dominant Internal Development.....	—	10
33	French:	Painting and Sculpture.....	—	—
34	Gordy:	The History of Political Parties in the United States.....	12	10
35	Russell:	General Course in Bacteriology.....	16	10
36	Zeublin:	The Industrial Revolution.....	12	10
37	Stratton:	Heat.....	15	10

CLASS-WORK DEPARTMENT.

The Class-work Department has provided instruction in various courses similar in plan and content to those given in the Academy and University proper. In the absence of room in the already crowded quarters of Cobb Lecture Hall, and to meet the demands of students in distant parts of the city, it was originally designed to offer the courses wherever classes of ten or more would organize and provide a room.

This proved in the Autumn Quarter to be so unsystematic that it was announced that classes would be organized on the South Side at Cobb Lecture Hall, on the North Side at the Newberry Library, and on the West Side at the Chicago Academy. This was made possible through the courtesy of the trustees of the Library and the principals of the Academy. From the first the work has been confined to Chicago. The classes which began in the Autumn Quarter all of which continued into the Winter Quarter were: English Literature, Instructor, Mr. Triggs, eleven members at the North Division High School; Geology, Professor Salisbury, eighteen members; French, Mr. Kinne, eleven members, at the Englewood Universalist church; History, Mr. Perrin, ten members, at Irving Hall, Irving Park. The classes of the Winter Quarter which began the first week in January, all met at Cobb Lecture Hall, except Mr. Boyer's class in Biology, thirteen members, at the Englewood High School. The other classes were: English Literature, Mr. Triggs, six members; Latin, Professor Hale, thirty-four members; Geology, Professor Salisbury, eight members; Latin, Mr. Orr, four members; Physics, Mr. Cornish, four members; Algebra, Dr. Young, ten members.

Through the kindness of the Board of Education the laboratory of the Englewood High School was used by the class in Biology, and the laboratory of the West Division High School was offered for a class in Chemistry. The Kenwood Observatory was also placed at the disposal of the department.

Of the students who presented themselves for examination, the following passed successfully: In Algebra, three; Biology, ten; Geology, six; English, eight and two respectively; Latin, twelve.

It is a matter of interest that courses have been offered by graduate students, assistants, docents, instructors, professors, and head professors. Among the students have been "all sorts and conditions of men" and women—teachers in all grades of public and private schools, undergraduate and graduate college students, two graduates of German Universities, business men and women, lawyers, physicians, dentists, clerks, stenographers, janitors, electricians, mechanics, and others.

The Calendar for the Winter Quarter announced twenty courses of Academy instruction, eighteen Academic College courses, and nineteen University College courses, thus providing a very wide range for selection. Eleven classes were organized in the Autumn and Winter Quarters and ninety-five students matriculated. A number of students have taken two courses, all of the courses being minors. The majority of those who matriculated may be considered permanent students, some of them planning already to enter the University proper.

CORRESPONDENCE DEPARTMENT.

The Correspondence Department has provided instruction in Academy, Academic College, University College, and Graduate School studies for non-resident students who have found it impossible to secure class room privileges. These students are situated in many states in this country, and in a number of foreign lands as well.

Students have been enrolled as follows: In the Academy—Latin, two; Mathematics, one. In the Academy College—Political Economy, one; English, twelve; Latin, one; Mathematics, three; History, three. In the University College—Psychology, five; Sanskrit, one; Mathematics, one. In the Graduate School—History, five; Semitic Languages, two; Mathematics, three; German, three. Unclassified Students—Biblical Literature in English, twenty-eight; Semitic Languages, two hundred and fifty-three; New Testament Greek, ninety-three.

Courses of instruction have been offered as follows: In the Academy, sixteen Majors and one Minor; in the Academic College, nine Majors and nine Minors; in the University College, eleven Majors and fifteen Minors—a total of sixty-one courses, thirty-six being Majors and twenty-five Minors.

There are now enrolled six hundred and eighty-eight students who are receiving instruction in twenty-five different courses.

THE LIBRARY DEPARTMENT.

Through the Library Department an attempt has been made to supplement the lecture-studies by furnishing select libraries of books, where the nature of the subject permitted and the lecturer expressed a wish for such aid.

Sixty such libraries have been issued, the number of volumes in each varying from thirteen to forty-five, the total number of titles being eleven hundred. These have been packed in specially designed boxes, strongly made of wood, measuring 26 inches by 18 by 7½. Each of the boxes is fitted with sliding shelves, so as to allow shelf-room of 8, 10¼ and 12½ inches. In many places these boxes have been used as temporary book cases. They have hinged lids, fastened by bolts and screw nuts, this arrangement doing away with any need for lock or screws or nails.

The following list, representing a library on "Methods of Social Reform," will serve as a type of a traveling library.

Report of the Commissioner of Education, 1888-9, two copies. *Reports of the Commissioner of Labor, 1886-90*, six copies. *Report of the Minnesota Bureau of Labor Statistics*, one copy. *Report of the Postmaster-General, 1891*, one copy. Taylor: *The Modern Factory System*, one copy. Morrison: *Crime and its Causes*, one copy. Booth: *Pauperism, and the Endowment of Old Age*, one copy. Weeks: *Labor Differences and their Settlement*, one copy. Dexter: *Coöperative Building and Loan Associations*, one copy. Riis: *The Children of the Poor*, one copy. Smith: *Emigration and Immigration*, one copy. Ellis: *The Criminal*, one copy. Jevons: *The State in Relation to Labor*, one copy. Loch: *Charity Organization*, one copy. Winter: *The Elmira Reformatory*, one copy. DuCane: *Punishment and Prevention of Crime*, one copy. Hobson: *Problems of Poverty*, one copy. Lowell: *Public Relief and Private Charity*, one copy. Giffen: *Progress of the Working Classes in the Last Half Century*, one copy. *Report of Ohio Board of Charities, 1890*, one copy. *Report of Minne*

sota Board of Charities, 1890, one copy. *Report of the Massachusetts Commissioner of Savings Banks*, one copy. *Report of New York Board of Charities*, 1890, one copy. *Report of the Illinois Penitentiary at Joliet*, one copy. *Report of the Southern Illinois Penitentiary at Chester*, one copy. *Report of the New York Charity Organization*, one copy. *Twelfth Annual Report of the Boston Associated Charities*, one copy. Wanamaker: *Argument for Postal Savings Banks*, one copy. Wanamaker: *Additional Argument for Postal Savings Banks*, one copy. *Report on Coöperative Credit Associations in Certain European Countries*, one copy. *Report of the Minneapolis Board of Education*, 1891, one copy. *Report of the Toledo Public Schools*, one copy. *Fourteenth Annual Report of the Buffalo Charity Society*, two copies. *Journal of Social Science*, October, 1891, one copy.

Total number of volumes—forty-one.

With each one of the libraries was sent out a copy of the Report of the First Annual Conference of University Extension workers held in Philadelphia in 1891, a copy of "Eighteen Years of University Extension," a copy of "University Extension, Past, Present, and Future," a copy of the Quarterly Calendar of the University Extension Division of the University of Chicago, and several copies of *The University Extension World*. The list of books shows at once that no attempt at an exhaustive bibliography was made, but that the idea always uppermost was to supply books which would best meet the needs of the actual workers. The stimulation and encouragement of the paper-writing class was considered of the utmost importance.

THE TRAINING DEPARTMENT.

The Training Department provides facilities whereby graduate students may acquaint themselves with the various aspects of the movement. Its work will necessarily be limited until the organization, in the University proper, of the Department of Pedagogy.

The University Extension Seminary, consisting of eleven members, has met fortnightly during the Winter Quarter. The following subjects have been presented and discussed at its meetings: The Place of University Extension in American Education; The Lecturer and His Work; The Development of the Extension Movement in England; The University Extension Division of the University of Chicago; University Extension Students; The Function of the Local Centre; The Relation of the Lecturer to the Local Centre; The Function of the Lecture and the Syllabus; The Function of the Class; The Function of the Weekly Exercises.

A number of the members of the Seminary have taken advantage of the facilities for acquainting themselves with the practical side of the work. They have attended the courses of experienced lecturers, performed the weekly exercises, and assisted in the conduct of the classes. Several have prepared a course of lectures and a syllabus therefor.

THE EDITORIAL DEPARTMENT.

The University Extension World was established in January, 1893, as the official organ of this Division. It is a monthly magazine, and has published articles of special interest, as follows: The Chautauqua System of Education, University Extension and the Summer School, University Extension and the Public Library, The American Institute of Sacred Literature, The Summer Schools of Harvard University, The Teachers in the Public Schools and University Extension, The Rise of Universities and their Latest Development.

In addition, it has published many articles of particular value to University Extension workers, as The Local Secretary, An Address to Local Committees, The Lecturer and the Centre, The Traveling Library, Study and Teaching by Correspondence, The University Extension Division of the University of Chicago, Students' Clubs.

Items of interest connected with the work have found prominent place.

PART V.—PERIODICALS AND BOOKS PUBLISHED BY THE UNIVERSITY PRESS OF CHICAGO.

DECEMBER TO APRIL, 1893.

THE JOURNAL OF POLITICAL ECONOMY.

(QUARTERLY.)

Table of Contents, December, 1892, number.

Study of Political Economy in the United States—J. Laurence Laughlin. *Recent Commercial Policy of France*—Émile Levasseur. *Rodbertus's Socialism*—E. Benj. Andrews. *Price of Wheat Since 1867*—Thorstein B. Veblen, and Edward Atkinson. NOTES. BOOK REVIEWS. APPENDICES.

THE BIBLICAL WORLD.

(MONTHLY.)

Table of Contents, January, 1893, number.

EDITORIAL. *What is Biblical Theology, and What is Its Method*—Prof. George B. Stevens. *Saul's Experience on the way to Damascus*—Prof. Ernest D. Burton. *Recent Movements in the Historical Study of Religions in America*—Prof. Morris Jastrow, Jr., Ph.D. *An Important Discovery of MSS.*—Lester Bradner, Jr., Ph.D. *The American Institute of Sacred Literature*.—C. E. Crandall. *Historical Studies in the Scripture Material of the International Lessons*—Associate Prof. George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. BIBLIOGRAPHY.

Table of Contents, February, 1893, number.

EDITORIAL. *The newly Discovered Apocryphal Gospel of Peter*—Isaac H. Hall, Ph.D. *The Expansion of Judaism*—Oliver J. Thatcher. *Theological Instruction in Switzerland. I*—Rev. P. W. Snyder. *Messianic Prophecy in the Book of Job*—Prof. E. L. Curtis, Ph.D. *The American Institute of Sacred Literature*—C. E. Crandall. *Historical Studies in the Scriptural Material of the International Lessons*—Associate Prof. George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. CURRENT LITERATURE.

Table of Contents, March, 1893, number.

EDITORIAL. *The Story of the Spies: A Study in Biblical Criticism*—Assistant Prof. Philip A. Nordell, D.D. *Theological Instruction in Switzerland. II*—Rev. W. P. Snyder. *The Fourth Gospel*—Prof. Alfred

W. Anthony, A.M. *The Fundamental Thought and Purpose of the Gospel of Matthew*—Prof. Robert Kubel. *The American Institute of Sacred Literature*.—C. E. Crandall. *Historical Studies in the Scriptural Material of the International Lessons*—Associate Prof. George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY—Charles F. Kent, Ph.D. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. BIBLIOGRAPHY.

THE UNIVERSITY EXTENSION WORLD.

(MONTHLY.)

Table of Contents, January, 1893, number.

NOTES AND NEWS. *The Chautauqua System of Education*—George E. Vincent, A.M. *University Extension and the Summer School*—J. Max Mark, D.D. *University Extension and the Public Library*—Louis Bevier, Jr., A.M. *The Present of College Affiliation*—Charles F. Kent, Ph.D. *An Experiment in Mill Villages*—Henry E. Bourne, A.M. *The American Institute of Sacred Literature*—G. L. Chamberlin. *The Traveling Library*. EDITORIAL.

Table of Contents, February, 1893, number.

NOTES AND NEWS. *The Local Secretary*—Jessie D. Montgomery. *Students' Clubs*—Thos. J. Lawrence, LL.D. *The University Extension Division of the University of Chicago*—George Henderson, Ph.B. *The Summer Schools of Harvard University*—N. S. Shaler. *The Teachers in the Public Schools and University Extension*—William O. Sproul, A.M. *The University and Workingmen's Clubs*—Walter Crane. EDITORIAL. *Cambridge University Letter*. *The Cambridge University Summer Meeting*. *University Extension at Colgate University*. *The National Conference on University Extension*. *Epistolatory Opinions*. *Typical Centres*. *Local Organizers' Column*. *Students' Column*. *New Lecture-Study Courses*. *Evening and Saturday Classes*. *Courses of Lecture-Studies for Chicago and Cook County*. *The University Extension Division of the University of Chicago*.

Table of Contents, March, 1893, number.

NOTES AND NEWS. *The Rise of Universities and their Latest Development*—Jessie D. Montgomery. *An Address to Local Committees*—Richard G. Moul-

ton. *The Lecturer and the Centre*—Francis N. Thorpe. *The Foundation Stone, 1871*—James Stuart. *The Traveling Library and the Way to Use It*—Francis W. Shepardson. *Home Study and Teaching by Correspondence*—Oliver J. Thatcher. EDITORIAL. *From our London Correspondent. Notes from Oxford. Typical Centres*—Germantown. *University of the State of New York. Suggestions for Centres. Selected List of Magazine Articles for Students. Saturday and Evening Classes. Courses of Lecture-Studies for Chicago and Cook County. Local Secretaries and Centres in the Northwest.*

JOURNAL OF GEOLOGY.

(SEMI-QUARTERLY.)

Table of Contents, January-February, 1893, number.

On the Pre-Cambrian Rocks of the British Isles—Sir Archibald Geikie. *Are there Traces of Glacial Man in the Trenton Gravels?*—W. H. Holmes. *Geology as Part of a College Curriculum*—H. S. Williams. *The Nature of the Englacial Drifts of the Mississippi Basin*—T. C. Chamberlin. STUDIES FOR STUDENTS:

Distinct Glacial Epochs and the Criteria for their Recognition—Rollin D. Salisbury. EDITORIALS. REVIEWS—James Geikie, Rollin D. Salisbury. ANALYTICAL ABSTRACTS OF CURRENT LITERATURE. ACKNOWLEDGMENTS.

HEBRAICA.

Table of Contents, April-July, 1893, number.

On an Unpublished Cylinder of Esarhaddon—S. Arthur Strong. *The Calendar of Enoch and Jubilees*—Benjamin Wisner Bacon. *A Charm Worth Reading*—Isaac H. Hall. *Old Persian Names in Babylonian Contracts*—Theo. G. Pinches. *The Views of Jehuda Halevi concerning the Hebrew Language*—W. Bacher. *The Vowel-Points Controversy*—Rev. B. Pick, Ph.D. *The Pentateuchal Question. IV. Ex. 13-Deut. 34*—Prof. W. Henry Green. BOOK NOTICES.

BOOKS.

Assyrian and Babylonian Letters belonging to the K Collection of the British Museum—Robert Francis Harper.

PART VI.—APPENDICES.

ORDER OF EXAMINATIONS FOR ADMISSION.

SEPTEMBER, 1893.

TUESDAY, SEPTEMBER 26.

MORNING.								AFTERNOON.							
Latin 3)	-	-	-	-	-	-	9:00	10:00	Advanced German	-	-	-	-	2:00	4:00
Latin 1)	-	-	-	-	-	-	10:00	10:45	Elementary German	-	-	-	-	2:00	3:00
History of the United States	-	-	-	-	-	-	10:45	11:30	Greek 4)	-	-	-	-	3:00	4:00
History of Greece	-	-	-	-	-	-	11:30	12:15	Algebra	-	-	-	-	4:00	5:00
Latin 2)	-	-	-	-	-	-	12:15	12:45							

WEDNESDAY, SEPTEMBER 27.

Greek 3)	-	-	-	-	-	9:00	10:00	English	-	-	-	2:00	3:30
Advanced French	-	-	-	-	-	9:00	11:00	Solid Geometry	-	-	-	3:30	4:15
Elementary French	-	-	-	-	-	10:00	11:00	History of Rome	-	-	-	4:15	5:00
Greek 1)	-	-	-	-	-	11:00	12:15						

THURSDAY, SEPTEMBER 28.

Plane Geometry	-	-	-	-	-	9:00	10:00	Latin 4)	-	-	-	1:30	2:45
Physics	-	-	-	-	-	10:00	12:00	Latin 5)	-	-	-	2:45	3:30
								Greek 2)	-	-	-	3:30	4:00
								Geology, Astronomy, Physiography	-	-	-	1:30	2:30
								Biology	-	-	-	2:30	3:30
								Chemistry	-	-	-	3:30	5:30

DIRECTORY OF OFFICERS AND INSTRUCTORS.

ABBREVIATIONS.

C-----Cobb Lecture Hall.
 a, b, c, d-----1st, 2d, 3d and 4th floors of Cobb Lecture Hall.
 S-----Science Hall, cor. 55th St. and Lexington Av.
 Numerals-----Numbers of rooms.

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AUGUST, 1893

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CHICAGO

The University Press of Chicago

1893

CALENDAR FOR 1893-4.

July 1.	Saturday	THE SUMMER QUARTER will be omitted in 1893.	Feb. 12.	Monday	SECOND TERM of Winter Quarter begins.
Sept. 26-28.	Tuesday Wednesday Thursday	AUTUMN EXAMINATIONS for admission to the Academic Colleges.	Feb. 22.	Thursday	Washington's birthday; a holiday.
Sept. 29-30.	Friday Saturday	REGISTRATION of students for the courses of the Autumn Quarter.	Mar. 21-23.	Wednesday Thursday Friday	SPRING EXAMINATIONS for admission to the Academic Colleges.
Oct. 1.	Sunday	FIRST TERM of Autumn Quarter begins.	Mar. 25.	Sunday	SECOND TERM of Winter Quarter ends.
Oct. 2.	Monday	AUTUMN MEETING of the University Convocation. Matriculation of new students.	Mar. 26-Apr. 1.		Quarterly Recess.
Nov. 1.	Wednesday	LAST DAY for receiving papers in competition for the Hirsch Semitic prize.	April 1.	Sunday	FIRST TERM of Spring Quarter begins.
Nov. 11.	Saturday	FIRST TERM of Autumn Quarter ends. AUTUMN MEETING of the University Union.	April 2.	Monday	SPRING MEETING of the University Convocation. Matriculation of new students.
Nov. 12.	Sunday	SECOND TERM of Autumn Quarter begins.			LAST DAY for receiving applications for fellowship.
Nov. 30.	Thursday	Thanksgiving Day; a holiday.	May 12.	Saturday	FIRST TERM of Spring Quarter ends.
Dec. 20-22.	Wednesday Thursday Friday	WINTER EXAMINATIONS for admission to the Academic Colleges.			SPRING MEETING of the University Union.
Dec. 23.	Saturday	SECOND TERM of Autumn Quarter ends.	May 13.	Sunday	SECOND TERM of Spring Quarter begins.
Dec. 24-31 1894.		Quarterly Recess.	May 30.	Wednesday	Memorial day; a holiday.
Jan. 1.	Monday	FIRST TERM of Winter Quarter begins. WINTER MEETING of the University Convocation. Matriculation of new students.	June 20-22	Wednesday Thursday Friday	SPRING EXAMINATIONS for admission to the Academic Colleges.
Feb. 10.	Saturday	WINTER MEETING of the University Union.	June 23.	Saturday	SECOND TERM of Spring Quarter ends.
Feb. 11.	Sunday	FIRST TERM of Winter Quarter ends.	July 1.	Sunday	FIRST TERM of Summer Quarter begins.
			July 2.	Monday	SUMMER MEETING of the University Convocation. Matriculation of new students.

The University is situated on the Midway Plaisance, between Ellis and Lexi and can be reached either by the Cottage Grove cable cars (from Wabash Avenue), or by the Illinois Central railroad, to South Park station.

There is a Western Union telegraph office at the University.

The telephone number of the University is Oakland-300.

It will be sufficient to address any correspondence relating to the work of the University to

THE UNIVERSITY OF CHICAGO,
CHICAGO.

PART I—HISTORICAL.

THE PROCEEDINGS OF THE THIRD UNIVERSITY CONVOCAATION, JUNE 26, 1893.

THE CONVOCAATION SERMON: THE CHRISTIAN CHORAGUS, JUNE 25, 1893.

The Convocation Sermon was preached by Reverend O. P. Gifford, D.D., from II Peter, 5-10.

*THE CONVOCAATION ADDRESS: THE PLACE OF THE UNIVERSITY IN AMERICAN LIFE.**

BY HEAD PROFESSOR WILLIAM GARDNER HALE.

A NOT infrequent theme of the American orator, addressing a body of young men at the completion of their four years of university training, is the smallness of connection between that training and the practical American life into which they are about to step. And if the orator chances to leave the theme untouched, the editorial columns of the next morning's newspaper are likely to repair the omission. Whether this view of the university is just or unjust, and what, in any case, are the facts which have brought it into existence, it will be interesting to inquire. To this end it will be necessary to go back some distance in a brief review of what we must regard, in spite of the remoteness of scenes and centuries, as our own history.

In the 14th Century, John Wycliffe, graduate, and some time fellow and master, of Balliol College, Oxford, anticipated, in many important points, the movement of reform which was destined to succeed two centuries later. Wycliffe suffered persecutions, but his English version of the Bible remained an enduring force, while his doctrines, less evidently fruitful in England, found a congenial soil in Bohemia, through the teachings of John Huss, graduate, professor, and rector of the University of Prague. In the latter part of the 15th Century and the beginning of the 16th, a group of scholars, of whom the most important member was Erasmus, student of the Universities of Paris, Cambridge and Turin, and

for some time professor in the University of Cambridge, labored to spread in England the intellectual light which had dawned in Italy in the Renaissance. The two most ardent English advocates of the new learning were Erasmus's friends, John Colet, graduate of the University of Cambridge, and Thomas More, graduate of the University of Oxford, and destined in time to be Lord Chancellor. But the influences set in motion by these men were outrun, in England as well as on the Continent, by the writings of a man into whose heart, through the medium of John Huss, something of the teachings of Wycliffe had sunk—Martin Luther, some time professor in the University of Wittemberg. Luther's fiery spirit precipitated the long-impending conflict with Rome. The English universities at once became nurseries of the new religious liberties. The attempt to drive the Lutherans out of Cambridge failed, owing to the belief of Cardinal Wolsey, churchman though he was, that truth had power to maintain itself; and the same faith led him to nominate, as fellows for his own foundation of Cardinal College, Oxford, men who were avowed Lutherans. England contributed to the new movement the Bible of Tyndale, a student, as tradition has it, of Magdalen College, Oxford, and afterwards a resident of Cambridge. The savage persecutions of Mary's time, when Oxford witnessed the burning of Ridley, Latimer and Cranmer, three sons

*Delivered at Central Music Hall, Chicago, June 26, 1893, at the Summer Meeting of the University Convocation.

of the sister university, did not extinguish the spirit of reform. With the accession of Elizabeth, its success seemed, by the complete establishment of the Church of England, to be assured. But the men who now returned from exile, bringing to their old home a type of religion influenced and shaped by their intercourse with the Continental reformers, found themselves disappointed in the freedom for which they had looked, and the result was the rise of Puritanism. Its prominent leaders were the theologians of the universities. The reforms at which these men aimed were to be within and through the Church. Independency, or the movement, the logical outcome of which was to separate Church and State, arose through the writings of Robert Brown, a graduate of Cambridge. For this faith university men, conspicuous among its leaders, suffered martyrdom. Their adherents, finding religious liberty impossible in England, took refuge in free Holland, the home of the persecuted in those days, as America has been in these, and there established a church, with Francis Johnson and Henry Ainsworth, both university men, as preacher and teacher. A little later, John Robinson, graduate, and some time fellow of Corpus Christi College, Cambridge, led a second colony to Holland, and settled it finally at Leyden. Here, in an atmosphere of freedom, and under the immediate influence of a brilliant university life, Independency reached greater strength and greater sweetness, claiming full liberty, yet returning to a spirit of fellowship with the members of the Church of England. It was from this colony at Leyden that the foundation of the life of our own New England was laid by the little band of people who sailed in the *Mayflower*, in 1520, and settled in what Milton called "the savage deserts of America." The same pressure that had driven them out of England into Holland drove other Englishmen, Puritans and Independents alike, to the shores of the new land. In 1630 the town of Boston, destined to be the centre of influence of the New England, was settled, under the leadership and first governorship of John Winthrop, graduate of Trinity College, Cambridge. Guided and led as it was by university men, the colony had no sooner established itself than it voted a sum of money to found a "school or college" in a neighboring place afterward named Cambridge, in memory of the town where many of the colonists had been educated. So early, and with so much loyal affection, did English university men plant in the "savage deserts" of the new land the treasured seeds of the higher learning.

But even before the foundation of the college at Cambridge, the public school, the creation of univer-

sity men of the Reformation, had been established in America, certainly in Boston itself, and, possibly, in the colony of the Dutch West India Company on Manhattan Island.

The American public school is our boast and pride. It is upon the education of the masses that we believe our national power to rest; and this education in turn rests upon the common school system. But what of the university? Up to the time of the establishment of the Plymouth and Massachusetts Bay Colonies, the intellectual life of the world, since the so-called dark ages, had been led by the universities,—in the humanistic movement that originated in Italy, in the reform movements of Germany and Geneva, and,—of especial meaning for us,—in the reform movements of England, to which we owe our own conceptions of civil and religious liberty. Our debt to the universities is overwhelming. They built for us the very foundations of our national life. But is their vital service over and gone? Are they now, as is believed by some to be the case with the civilization of Greece and Rome, sunk out of sight,—at the best built upon and covered up, their place taken by the American public school? What services have they rendered, what services are they rendering now, what services will they render in the future?

To deal with the first two questions would demand a review of countless details. Let me rather answer the question, Why are they not now rendering greater services?

The story is told that when, after the failure of the struggle against ship-money, led by John Hampden, the cause of liberty in England seemed to be crushed, three great men laid their plans to sail for the new land of freedom in America. These men were John Hampden himself, a graduate of Magdalen College, Oxford, John Pym, a graduate of what is now Pembroke College, Oxford, and Oliver Cromwell, who, though he did not complete his course, was prepared for the university, and spent a year as student at Sidney Sussex College, Cambridge. A royal prohibition of emigration is said to have checked the plans of these men, and to have detained in England the fate-bearing foes of tyranny. Whatever may be the truth of this story, the success of the cause of these men established liberty in the old England, and brought emigration to the New to an almost complete stop. From this time on, America was left to work out its own problems, unaided by the fresh blood of the English universities, which, but for the triumph of Independency at home, would have continued to set, in a steady current toward our shores. And what were these problems? First and foremost, the maintenance of existence

against the savage tribes of the savage deserts, and the taming of the savage deserts themselves under the axe and the plow. And this work is not yet done. The Indian is indeed subdued, but the taming of the land is not yet accomplished. Ranch, farm, and town are still being settled in the great West, Northwest, and Southwest. And, while this process was yet going on, there dawned, into the midst of our own era of settlement, a new and marvelous era for the entire world, the era of industrialism. The discovery of new forces, and of new applications of force, opened fresh careers to men of judgment and energy. The progress of the natural sciences in Europe and in this country devised new methods of manufacture and transportation, the latter again opening up new markets to parts of our own land which before were out of the stream of the world's industrial movements. The unparalleled conditions of America, the almost unimaginable stretches of country lying ready for farm land, timber land, and mine, together with the swarming of European labor into the field, made great careers possible for men who, in the conflict of mind with mind, were found to be possessed of divination and of endurance. The triumph of the present era of manufacture and commerce has been as signal as the triumph of the era of settlement. The concentration of our energies upon the two together have made us, on the material side, the marvel of the world. What wonder, then, if our public schools have not equalled the great endowed schools of England? What wonder if, in its early history, the little college by the Charles on the edge of the savage desert did not rival the stately groups of colleges in Oxford and Cambridge, richly endowed, made beautiful by every charm of architecture, and constantly quickened by the intellectual life of the sister universities in Continental Europe? The wonder is rather that, from such humble beginnings, there should have sprung a school system so highly advanced, a sisterhood of colleges and universities so largely represented in the best activities of the nation in politics, literature, and science, and a few true universities, some of whose scholars are known among their brothers in Europe.

The past, then, is well, and in harmony with all experience. As in the life of the individual the physical self forms the basis of the moral and intellectual structure, so in the history of the nation the basis of physical power must underlie the structure of mental accomplishment which it is hoped to rear upon it. And, while this physical power is being gained, the emphasis of the nation's life must be put upon that side. But it is as profoundly true that, if a nation is to live greatly, this emphasis upon the one side at the expense

of the other must pass away. The day must come for the student, as well as for the pioneer of the axe and plow, for the builder of systems of thought, as well as for the builder of bridges and factories. To the achievements of our industries and our commerce we must add intellectual achievements as marked. It is not enough that our inventions should be such as to make themselves known wherever civilized man is to be found; our arts and letters must be such as to command attention throughout the thinking world. To match the splendors which science has brought us in this era of invention we need a splendid type of intellectual character. We need a larger apprehension of the full heritage of the human race, a larger understanding that power takes many forms, and that the bank account is not the only measure of the resources of the man. The one poverty of our rich American life to-day lies in the ignorance under which multitudes of our people labor, that there exist deep and lasting and ever-ready satisfactions which are not matters of money nor of bodily pleasure; and that the chief aim of our material successes is to enable us to command these high resources that the stately house is built, not for itself, but for the life which is to be lived within it.

But if this be true, then, in the impressionable years of youth, before the hard strife for place and power begins, before the conflict opens in which the immediate affair too easily fills the whole horizon, and in which the struggle is for the personal advancement of the individual, there must be a training in which the strife of man with man is reduced to the utmost, in which the activities take the most generous and disinterested form. There must be a time during which the reading of the great literatures shall familiarize the young mind with a wider range of thought and feeling than that of his village, or his city, or his country, or his day; in which the study of the history of the race shall show him the workings of human forces, that, in times remote or near, have built up life to what it now is, and shall stir his blood, if there be any generous impulse in him, with love of the manly deed and hatred of the base; in which the study of the workings of nature's forces, whether in the speech of man, in letters, in history, in politics, in economics, or in the wide field of nature outside of man and the operations of his spirit, shall lead him to a recognition of the divine order of the boundless whole; in which the young mind, prone to go astray at every step, shall gradually, through repeated error and recall, be brought to the point at which it shall have gained the rare power of seeing that which is in place of that which is not — and of inferring that which must follow —

in place of that which cannot follow; and in which the long and ardent pursuit of some one subject or group of subjects, under the direction of specialists who themselves possess both knowledge and the creative mind, shall carry the student on to something like mastery of some portion of a given field, and shall unfold in him, if happy fate has granted him the gift, the power of scientific divination. There must be a period, of no hurried compass, during which the chief concerns of the fresh young mind shall be concerns of thought, during which the doctrine that human life is a system of manufactures and the exchange of commodities shall, for good and all, be anticipated by the silent growth of the larger doctrine that modern civilization is a complex system, in which the splendid technical activities of our age are stretching the warp which is to be shot through and through with as fair a thread of the disinterested intellectual life; in which the narrow view shall be forever made impossible by the vision of a broader horizon. But this period in which, in constant contact with disciplined minds, the young intelligence is to be trained toward a wide and steady outlook upon human life, and brought to the first steps in the unfolding of its highest powers, is the period of education; and the years of the richest growth of intellectual character—the only years in which the powers of the young man or young woman are mature enough to ripen into the beginnings of a true creative capacity—are the years of the university life.

Lamentable, then, is the popular misconception of the university as a place easily left out of the scheme of a young man's career, as the nursery of the dilettante, not the home of ideals and the hardy school of intellectual mastery! Lamentable, indeed, and false to the deeper and controlling spirit of American life, which is that of untrammelled activity in every direction in which the spirit of man finds its interest.

To say that this misconception is false to the controlling spirit of American life is to declare one's belief that it is destined, in the quiet processes of time, to pass away. Yet one cannot be willing to leave the matter thus. One cannot forbear to speculate with regard to a future not too remote to concern at any rate the younger generation of the age that has witnessed the triumphs of the industrial revolution. What are the serious dangers in the way? And are there already any distinct grounds of a hope that need not look too far into the future for its fulfillment?

The greatest danger that threatens American life is, beyond all question, the danger of inherited wealth. In the past, it has been the education of work that has made us safe. The effort to subdue nature, in the era of settlement, and to turn her forces, in the era of in-

vention, into wealth-producing engines, has brought with it a true discipline, an evolution of mental power and character. And, in the future as well, though the old long and rugged road from poverty to wealth, if it has not lost its ruggedness, has lost something of its length, the struggle will, for those who are born to it, continue to be a training as well as a means. But what of the great and rapidly growing number of those who are born to ease? The choice between the lowly lot and the struggle for a better one is not difficult for the poor boy; but alas! the choice between struggle and enjoyment is also easy for the rich boy, if his early years have shown him only the attractions of the life of pleasure, and not the charm and power of the life devoted to intellectual ends. To a rich boy thus prepared for the world, a career is ready at hand for his ambitions—participation, at the best, in a society whose aim is pleasure, whose shibboleth is indifference to the things that are purely of the mind, and whose worship is, not the wholesome creating of wealth, but the having had it created for one by as remote an ancestor as possible. Social life we must have. It is the flower and fragrance of toiling human existence. But the ultimate basis of the best society must be in a public-spirited and democratic interest in the best concerns of life, and an avoidance of the ostentation of a single means of power. The rich, and especially the very rich, owe the community two things, a style of living that shall aim at, and set the example of, a refined simplicity, in place of luxury, and the education of their children, not as a proper form, but with the set purpose of developing in them the conception of a serious work and place in the national life, whether this work be the creation of more wealth, the service of political ideals, or the service of letters or science.

This danger has its seat outside of the university. But there are also two serious difficulties in the way of the influence and spread of the university life, lying in the character which the colleges and universities themselves, under the conditions of their existence, have taken on. The engrossment of our young nation in the preliminary tasks to which it has had to devote its energies has not only made the university, in the minds of great numbers, seem unimportant—it has made any near approach to the true university life an impossibility until within the last twenty years, and a possibility, even then, in less than half a score of places. The man of affairs, actively engaged all day himself in the field, the factory or the counting room, has thought of the professor as a person whose easy office it was to dispense, year by year, a traditional and unchanging knowledge, acquired by him as a permanent stock in trade, in the days when he was a

student; and the number of hours of teaching laid upon the professor, as reasonable and moderate, under this view, has made him, almost as by a decree of fate, that which he was supposed to be.

Further than that, the so-called practical man, believing, as he is quite right in doing, in the law of supply and demand, and competent enough to judge of the quality of those to whom he entrusts the interests of his own business, finds that there is an abundant supply of men who greatly desire professorships, even in the poorest college, and, being now outside of the field of his personal knowledge, readily assumes that the salaries which so many men are willing to accept are sufficient; so that, when a new university takes a different view, the country is astonished from coast to coast, that a man who, putting aside forever all thought of the acquiring of even a modest competency for himself and his children, passes through years of laborious and costly preparation, and then, under a heavy strain of competition, rises to a point at which he is thought to have given promise of taking a place among the creative scholars of the world, should be offered an income, which, as the ultimate highest prize of success, would be regarded by any able man of business as the stamp of mediocrity. The result is that the majority of American professors in the larger universities, instead of devoting all their scanty time, outside of their more immediate teaching, to the advancement of American scholarship, have to devote a good part of it to earning enough outside money to bring their salary up to a livelihood. Is it strange, then, that an English writer, sketching the development of the universities of the world, should have to say, "In the United States, university education has received a great extension, without, however, exercising in Europe that reflex influence discernible in so many relations?" Is it strange if many an able young man, attracted by the intellectual side of our profession, should feel, as I have known such young men to feel, that the sacred fire in the youthful scholar's breast can hardly burn long in a material atmosphere so stifling, and should turn to a different career? Is it strange that many a young American, who has adopted the profession, and who in his student life had recognized that the advances which applied science has been making in this age of steam and electricity are not more striking than the advances made in Europe at the same time in the whole range of subjects covered by university work, has too often, under our American system of many hours and small maintenance, been able, by his utmost endeavor, merely to gain some conception of what this creative energy is doing, but not to share in it and add to its

achievements? Is it strange if we have to say of the true professor, as Juvenal did of the true poet, that we can picture him in our thought, but cannot point him out, and that the highest achievements of scholarship are produced by a mind free from anxiety, and exempt from all the bitterness of life,—not by a mind distressed about the getting of a blanket to keep the body warm?

And yet, in this young land, immersed in material conquests, there are Americans who, even under the heavy handicaps which they have had to carry, have placed themselves among the creative workers in modern scholarship. And in the recognition of this fact my thoughts turn from the discouragements of the past; for in it I find the first of many grounds for hope of a not too remote future in which, through the gradual spread of ideals, the life of the university shall gain a power that will command acknowledgment, and will bring it into its just relation to the national life.

A second ground for hope I find in the fact that, in a few institutions of learning, the wisdom of the leaders has already so ordered the hours of stated instruction, that—if only the object be not defeated by the new demands which the growing complexities of our strongest universities make upon the time of its professors—opportunity will be afforded to live, as our German brothers have long been able to live, the life of the scholar.

Another ground for hope I find in the fact that, as communities in this country gain in age, that is, as they pass through and recede from their local era of settlement, they gain in respect for the work of the university.

Another and yet stronger ground for hope I find in the fact, striking even to the English historian from whom I have quoted, that, in spite of the lack of the best fruits of the higher education in this country, and in spite of the imperfect understanding of it on the part of the people, the people themselves have not been slow in recognizing, however dimly, that the university has a place in American life. Wherever in the older parts of the country there has been no strong institution already in existence, the state university has been founded; while the younger states, like Colorado and North Dakota, have witnessed the rise of universities almost in sight of the mine and the ranch upon which their youthful prosperity was founded. The Republic of the United States is a republic not simply of farms, manufactories, and mines, but of almost unnumbered colleges and universities,—fortresses, actual or potential, of the disciplined life of the intellect. And in this sign especially I read the future.

A deep and solid ground for hope I find also in the attitude toward advanced education taken by men of the very class whose successful leadership has made the prizes of the business life seem so dangerously dazzling,—by the men who have founded Cornell University, Vassar College, Johns Hopkins University, Clark University, Leland Stanford University, and, latest of all, by the man whose far-seeing self-effacement forbade his name to be associated with the institution of which he laid the foundation,—yes, and of those other men, and of those women, who, in a time of unparalleled financial burdens, have justified his hope that this university would be, in fact as well as in name, the University of the City of Chicago.

And I find yet one more ground for hope. In increasing numbers in recent years, and especially in the older parts of the country, young men born to comfort have gone from the universities into public life, to meet those great national dangers which Professor von Holst, at our first Convocation, so justly and strongly pointed out. And I do not believe that it will be many years before our inherited American tradition of work will discover another channel for happy and honorable activity. Set free from the handicap of the struggle for bread, the sons of the well-to-do have it in their power, if only they can also free themselves from the handicap of the temptations of wealth, to devote themselves with a clear mind to those activities which add most to the dignity and value of human life. It is for the men of independent fortune and leisure, as well as for the men of poverty and time-destroying occupation, that the discoveries of the future, in this age of rapidly multiplying discoveries, are waiting. And in the recent drift of young men of means and education into public life, I see the beginnings of a movement which may well come, in time, to cover the whole field of intellectual labor.

I have shown, then, or have endeavored to show, that, in the older life to which we trace our intellectual ancestry and our institutions, university men were active leaders in the great movements of the world; that the roots of all that is most vital and precious in our American life are placed deep down in the life of the universities of Europe; that it was only after emigration to this new land had brought upon our ancestors a new set of material tasks of all-engrossing magnitude, that any conception grew up of a separation between the university and the national life; and that signs exist that, perhaps in the early days of another century, the American mind, righting the disturbed balance, will turn as freely toward intellectual as to-

ward material progress, and that a rich and complex type of social life will be the fair result of our somewhat lengthened waiting.

But it is hard to treat this subject solely from the point of view of a distant observer. On this evening, on which we first send out our bachelors, our masters, and our one doctor into the world of the national life, we cannot put aside the thought of our own part in that future which has been anticipated. In this great region, in which it holds the commanding geographical position, a work of influence hard to speak of in moderate terms, a work of influence for education and for the nation, is open to the University of Chicago. The power of the leaders in the community which is to be the principal influence of its environment has been shown in that fair vision of civilization which, calling upon the best genius of the whole country, they have evoked for a few fleeting months by the shores of the lake. But this is not their only work. Another and more lasting vision has in these same years been silently rising under the shadow of the White City. When, by the hard decree of necessity, the walls of that city have been razed to the ground, the Grey City of enduring stone by the Midway Plaisance will remain—witness to a still higher and more disinterested idealism, proof, like the Art Institute and the three great libraries, of the city's deep-seated belief in the intellectual life. Its fortunes, men and women of Chicago, and men and women of that part of Chicago which we call the University, have been made our joint enterprise. It is we whose happy lot and whose grave responsibility it is to have the University, in its early years, entrusted to our keeping. Here, in this city of the open mind and generous heart, in this city of dreamers and planners, in this city where the pulse of American life beats full and strong, it should prosper. That it will ultimately prosper, and be numbered among the most potent forces of the intellectual life of America, is certain. If it is not so numbered in our day, if, through any defect of ideals, on our part or on yours, any lack of understanding between you and us, any lack of will, or—chief danger in our American life—of tempered judgment, our high hopes should be deferred, then it will be against our names that the historian of the future day, recognizing the almost boundless opportunities under which we have begun, will set his verdict:

The fault was in themselves, not in their stars,
That they were underlings.

*THE STATEMENT BY THE PRESIDENT OF THE UNIVERSITY FOR
THE QUARTER ENDING JULY 1, 1893.*

MEMBERS OF THE UNIVERSITY, TRUSTEES, INSTRUCTORS, STUDENTS, AND FRIENDS:

THE first year's work of the University is finished. The foundations have at least in part been laid. The essential elements in the policy of the University, as announced by the trustees before its organization, have been tested and, seemingly, have stood the test. Whether these foundations shall prove to have been firmly built; whether the general policy, confessedly radical, shall continue to shape the growth of the institution, can be better answered ten or twenty years hence. It is sufficient at this time to say that a work has been begun which, so far as man can tell, will develop along lines essentially different from those followed by other institutions of this country and of foreign countries. If this should not be so, our work from the beginning may well be regarded as in a large measure, superfluous.

Until the founding of Johns Hopkins University there was but one type of college in America. No institution doing real university work existed. With the establishment of the University of Chicago another type it is believed has been introduced, differing essentially from the college of historic character, and, just as essentially, from the type of the Johns Hopkins. Why a century or more should have passed with no effort other than to duplicate efforts already made, it is difficult to understand. The field for experiment in educational work is as vast as any that may present itself in other departments of activity. If only those who experiment will be quick to discard that which shows itself to be wrong, the cause of education has nothing to fear from experiment. No one can fail to see that our institutions of learning are as much trammelled by traditions embodying ideas which have been dead for decades, as the church is trammelled by dogmas of which the real meaning has been forgotten.

The Graduate School.

In an official statement made a year ago the number of students estimated for the graduate school was one hundred. Although it had long before been determined to make this part of the University work the most prominent, our expectations at that time did not reach beyond the number indicated. The facts show

that the demand for graduate work was greater than could have been anticipated. There have been enrolled in the graduate school of the University 210 students, and this, notwithstanding the fact that our laboratories are not yet built, and that many of the departments are entirely without equipment to do advanced work. The history of the graduate school for the year shows also that Eastern men will not hesitate to come West; that antiquity, after all, means little. Students soon learn where good work is done. In undergraduate work it may be the institution which draws students; in graduate work, it is not the institution, but the man.

The year's work has taught another lesson; that our Western colleges, with few exceptions, lack, most lamentably, the force and equipment to do properly the higher college work. It must therefore be a matter of greatest interest to the University that these colleges, at least the best of them, shall be reënforced. The University has a selfish interest in these institutions which will prompt it to aid them in every possible way.

The Divinity School.

An important step has been taken in the reorganization of the divinity school. The school will henceforth include four divisions, each under the charge of a separate Dean. These divisions are, the graduate divinity school, including only those who have secured the degree of Bachelor of Arts; the English Theological Seminary, including those who have not had full college preparation; the Danish Norwegian Theological Seminary, for Danes and Norwegians, and the Swedish Theological Seminary for Swedes. The Dean of the graduate divinity school is, at the same time, head Dean of the divinity school as a whole.

In the president's statement made at the spring convocation, emphasis was placed upon the necessity of making provision, in the divinity school, for work of a more special character. A plan for uplifting and enlarging the work, adopted by the Faculty and approved by the Senate of the University, has been passed by the board of the Theological Union and now awaits only the final action of the Trustees of the University. This plan provides that divinity students who have previously received the degree of Bachelor

of Arts shall be permitted at the close of the second year of their divinity work to make choice between two courses of study; the one, an ordinary divinity course to be completed within one year, for which, upon the presentation of a creditable thesis and the passing of a satisfactory final examination, the candidate shall receive the degree of Bachelor of Divinity; the other, a more strictly graduate course continuing two years, making in all four years, during which the work of the student will be restricted to a principal and a subordinate subject. To the principal subject he will devote two-thirds of his time, and upon the satisfactory completion of this work he will receive the degree of Doctor of Philosophy. For the first time, therefore, in history of Universities, the degree of Doctor of Philosophy is thrown open to divinity students. That this plan is entirely consistent with the high character of the degree, is evident, because four years of resident work are required instead of the three years ordinarily given. It is believed that this is the most advanced step taken in theological education in the last quarter of a century. In connection with this change it has also been decided, that, after the coming year, the length of the divinity school year shall be thirty-six instead of thirty weeks. This change brings the divinity work into closer harmony with the work of the University at large. The enrollment in the divinity school this year has reached 204. From present indications the number next year will exceed 250.

The Strengthening of Departments.

During the quarter just closing the organization of departments for the coming year has taken place. It was hoped that the work of the second year might be done with practically the same force of instructors engaged in work during the first year, but the certainty of an increased number of students in the Colleges of the University has compelled the trustees to strengthen considerably certain departments. From the list of appointments in the programme of the Convocation it will be seen that the departments which have been especially strengthened are Latin, Mathematics, the Germanic Languages, English Literature, and Rhetoric. An elaborate scheme for the requirement of written theses in the Academic Colleges has been prepared and will be introduced October first. It is our purpose that whatever else they may know or may not know, men shall be taught to express themselves properly in English. The return of Professor Michelson from Europe makes it possible, now, to arrange graduate courses of the highest grade in the Department of Physics. The number of officers, instructors and

assistants (not including janitors and servants) employed in all departments of the University during the present year has been 143. The number engaged for next year is 163.

Entrance Examinations.

Before any progress had been made in the selection of members of the Faculty of Arts, Literature, and Science, the University Bulletin announcing the requirements for admission to the colleges of the University was approved by the trustees and published. In this first announcement two positions were taken: (1) That in the character of its requirements the University should not be inferior to any other institution, and (2) that of all students bearing the stamp of the University, there should be required a broad and thorough culture. To this end Latin was emphasized and inserted as a requirement for every degree. In various meetings of the Faculty of Arts, Literature, and Science, held during the year, the wisdom of this requirement was discussed. The discussion was thorough and exhaustive. Both sides of a most vexed question were ably represented. At the close of the discussion, by an overwhelming vote, the position already taken by the trustees was approved by the faculty. There seemed, however, to be a rigidity in the scheme of requirements which made it difficult for the University to touch as closely as it desired the high schools of the country. After careful consideration of the problem the committee on entrance examinations presented to the Faculty a plan quite different from any that had been proposed. According to this plan twenty-one units of work are designated as acceptable. Of these the student may present, with two exceptions, any thirteen. The student will thus be enabled to make use of knowledge gained in any of the departments taught in the high schools. If certain subjects have been ignored, others may be substituted for them, and during the two years of the Academic College work he will so select his subjects as to place himself in a position to study for a particular degree. The plan in its working will probably require some minor modifications, but in its essential principles it is believed that it more truly represents modern educational ideas than any plan to-day in use.

Buildings and Grounds.

One who has not seen the grounds within ninety days will with difficulty recognize them. The work of grading has been going on during the entire year. This work is not yet complete, but so much has been done that one can form a definite idea of the appearance of the quadrangles, when finished.

Kelly, Beecher, and Snell Halls are practically completed, and are now occupied. Foster Hall is under roof. The Walker Museum is also under roof. The Ryerson Physical Laboratory has reached the third floor and will be finished, October first. The work in Kent Chemical Hall is completed except the plumbing. By order of the trustees the Chemical Hall will be opened with appropriate ceremonies in connection with the October Convocation.

Within eighteen months buildings costing nearly one and one-quarter millions of dollars have been erected. When the technical character of many of these buildings is considered, and at the same time the special difficulties which have attended all work of construction in and about the city of Chicago during this period, much credit is to be awarded the architect of the university, Mr. Henry Ives Cobb, and the Committee on Buildings and Grounds.

It is hoped that the work on Rust Commons may soon be commenced. The delay is due to the present excessive cost of material and labor. The friends of the university do not need to be told that for the most important buildings provision has not yet been made. The Library, the Gymnasium, additional Laboratories, and additional Dormitories, are still required. The work finished completes only one-sixth of the proposed plan.

University Houses.

The problem of student university life is one which American institutions have not yet solved; many efforts have been made but none has thus far met with success. The university proposes what in many respects is a new solution. At the request of the University Council, the trustees have established University Houses. Each house will be made up of the students residing in a particular hall; the students will themselves decide who shall be the members of the house, and will prepare the rules by which the house shall be governed. With an Executive Committee selected from their own number are associated a Head of the House, appointed by the President, and the Counselor of the House, a member of the faculty, chosen by the students. The opportunity is given to each House to equip the hall in a manner which shall be pleasing to the occupants, the trustees advancing the money. Upon money thus advanced interest is paid, and for the payment of the debt, a sinking fund is provided. Houses outside of the quadrangles may thus be organized, which shall take their places within the quadrangles as rapidly as new dormitories are erected.

But it is here that one of the gravest problems confronts the university. The majority of students are men and women of very limited means. In the city of

Chicago the expenses are great. The cost of room and board for the average student is not less than six or seven dollars a week. Small as this sum may seem when there is added to it the many other expenses of a year's residence, the total sum is more than most of them can pay. The parent whose income is less than \$1000 or \$1200 a year is unable to give to one of several children four hundred dollars of that sum. And yet, as has been said, the great majority of our students come from families whose income is not larger than the sum mentioned. The efforts made by students to support themselves are in many cases most pathetic. What the university needs, in this particular, *to-day*, is not only funds for the establishment of scholarships, but means by which the cost of living may be reduced. This problem will continue to confront us until it is possible to announce that room and food may be secured for the sum of \$3.50 to \$4.00 a week, and to the solution of this problem the university authorities must at once address themselves. There is no economy in providing endowments aggregating millions (for instruction), without provision, at the same time, by which those of limited means may, without embarrassment, avail themselves of the instruction offered.

The Students' Fund Society.

It is with peculiar pleasure that I announce the organization, by friends of the University, though independently of the University itself, of "The Students' Fund Society." The purpose of the society is to collect and distribute funds, in the form of fellowships and scholarships, to students who have given clear indication of scholarly ability. The society has been incorporated, and the list of incorporators, including among others the familiar names of Mr. A. A. Sprague, Mr. Arthur J. Caton, Mr. Wm. B. Walker, Mr. Marshall Field, and Mr. Norman Williams, is a sufficient guarantee that the effort will not be a vain one. This is another evidence of the interest which the citizens of Chicago take in the university which bears the name of the city, an interest for which the university is profoundly grateful.

University Extension.

Little has been done in the field of University Extension during the past quarter except to arrange for the work of next year. The record of the year as a whole has been far greater than was expected; the outlook for the autumn work is good; the demand for lecturers in the Lecture Study Department is greater than can be supplied; the indications point also to a greatly increased demand in other Departments; the details of the University Extension may, indeed *will*, undergo modification, but the essential idea, viz.: the

taking of University privileges, in so far as it is possible to take them, to those who cannot come to the University, is an idea which will grow in favor with every succeeding year.

The Affiliated Work.

The work of Affiliation is no longer an experiment. The results of the past year in the affiliated institutions have been full of surprises even to those who had been most hopeful. Under circumstances not altogether advantageous the idea has been tested. Much that is interesting will be presented in technical form in the Annual Report.

The University Press.

The Vice-Directorship of the University Press and its immediate management has been assumed by Mr. C. W. Chase, an Amherst and Harvard man, who comes to the University after long association in the business management of *The Forum*, and with a rare experience in the work which the Press has undertaken to do.

The Five Hundred Thousand Dollar Subscription.

When Mr. Ryerson kindly consented to a postponement, from May 1st to July 1st, of the time within which the \$500,000 must be completed, it was confidently believed that the entire amount could be secured upon the conditions named. It was just at this time, however, that uncertainty began to manifest itself in the financial world. In order to assist the university in what under these circumstances was proving to be a most difficult undertaking, Mr. Rockefeller promised a subscription of \$150,000, provided the entire sum of one half million should be secured within the time indicated by Mr. Ryerson. Again we were confident that the money could be obtained, but it soon became apparent that the money market was in such a condition that any effort to secure subscriptions was unwise and attended with injury to the best interests of the University. Under these circumstances Mr. Rockefeller kindly consented to remove the conditions of his gift and make it absolute, adding outright to the income of the University during next year the sum of \$150,000. Mr. Ryerson also consented to a second postponement of the time within which the conditions of his gift should be fulfilled. Many of the smaller subscriptions had been made unconditionally, and in this way the difficulties of the situation were removed. A truer statement perhaps would be that the difficulties have been postponed. It is understood that as soon as the financial situation changes the effort to secure the \$500,000 will be renewed. Meanwhile the friends of the university owe to Mr. Ryerson, to Mr. Rockefeller and to the other gentlemen who

have so kindly helped in this great emergency a debt of gratitude which can never be repaid.

Gifts.

During the quarter which has just closed a number of subscriptions have been secured toward the \$500,000 fund. Since some of these are conditioned they will not be reported until the fund has been secured. In addition to the gift of Mr. Rockefeller of \$150,000 for the current expenses of next year already mentioned, the university has received from the Sinai Congregation the sum of \$5,000 for the purchase of Semitic books; from Messrs. Geo. Armour, Allison Armour and C. R. Crane \$300 a year for five years for a Fellowship in Political Economy; from a Committee of Chicago Women through Mrs. Alice Freeman Palmer and Mrs. Harriet Brainard, the sum of \$400 for a Fellowship in History; from a Committee of young women through Mrs. Palmer and Mrs. Brainard the sum of \$400 for a Fellowship in English; from Mr. Charles L. Hutchinson, \$100 to cover the expenses of a lecture before the university by Prof. Robert Yelverton Tyrrel, of Dublin University, and \$200 for a Fellowship in Latin; from Rabbi E. G. Hirsch the sum of \$300 for a fellowship in Comparative Religion; \$125 from a woman, a friend of the university, for assisting in the education of a young lady of the university; \$50 from a gentleman living in New York city to be used in assisting students of the University.

A General View.

It is understood that the friends of the university desire to know its real condition. From the beginning the university has had no secrets from the public. The facts are these: (1) For the expenses immediately connected with instruction, through the kindness of Mr. Rockefeller and other friends the university has endowments which, though not sufficient for the work it is desired to do, will satisfactorily provide for all the work which has thus far been initiated. (2) Comfortable quarters have been provided for the lecture work of the university. (3) Very convenient temporary accommodations have been arranged for the library and gymnasium. (4) For the laboratory work in Chemistry and Physics, the university possesses an outfit which has no superior in this country. (5) For scientific collections a fire-proof museum will be ready October 1st. (6) Dormitories have been provided for 400 students. (7) But for the general expenses of the university, and for the many extraordinary expenses connected with the work of the first years, no adequate provision has been made. The university needs to-day for immediate expenditure \$100,000 for books, \$100,000 for apparatus, \$100,000 for the improvement of the

Quadrangles, \$100,000 for an electrical and heating plant, \$100,000 for miscellaneous equipment. Without this money it is impossible to do the work which ought to be done. The sum required is small when compared with the sum already invested, and as has been said before, our embarrassment is all the greater because of our large resources. With men and students and buildings, it will indeed be a pity if the money for equipment is not forthcoming.

In the closing as we do to-night the first two years of the history of the university. I desire to make expression of my personal gratitude to the members of the Board of Trustees. The public cannot easily appreciate either the amount or the character of the responsibility which the Trustees have assumed. When it is remembered that within two years the funds of the university have increased from two to seven millions of dollars; that buildings have been practically completed which have cost a million and a quarter; that the details of organization have been worked out, and 165 officers and instructors selected; that a system of University Extension work has been developed, and a University Press established, which is already publishing journals and books, and that a full year of university work has been completed,—when it is considered that all this has been accomplished by men, many of whom have been identified at the same time with the

greatest enterprises which the city has undertaken, it will be granted by all that great credit is due them, credit which no words can fully express. If I mistake not, the hours of care and labor which they have spent will be reckoned with a fuller appreciation, than is possible to-day, in future years when men write the history of the beginnings of the university.

To my colleagues who have come from so many parts of our own country, and from other countries, and who have stood by us so nobly in these days of first things, I wish also to make acknowledgment of courtesies received, and sympathetic interest exhibited, which have made this year, notwithstanding its anxieties and burdens, a year of enjoyment and of satisfaction. The university spirit has already been established. It is the spirit of scholarship on the one hand, the spirit also of brotherly affection and Christian manliness. Was there danger that in so great diversity unity might not be found? If so, that danger has passed, for I am confident that unity and harmony of spirit have with these men of learning come to dwell in the midst of us.

To the friends and patrons of the university, who in many ways have shown their interest, the members of the university, trustees, professors and students, make due acknowledgment, and express their gratitude.

DEGREES.

At the Summer Convocation, June 26, 1893, degrees were conferred as follows:

DOCTOR OF PHILOSOPHY.

Eiji Asada, student Imperial University of Tokio, 1886-1888, D.B., Garrett Biblical Institute, 1891.
Department, Semitic Languages and Literatures.
Subject, Hebrew Language and Assyrian. *Thesis*, "The Hebrew Text of Zechariah I-VIII compared with the different Ancient Versions."

MASTER OF ARTS.

Elkanah Hulley, A.B., Bucknell University, 1892.
Department, Semitic Languages and Literatures.
Subject, Semitic. *Thesis*, "The History of Prophetic Methods."
Clifford Webster Barnes, A.B., Yale University, 1889, B.D., *ibid.* 1892.
Department, Church History. *Subject*, Church History. *Thesis*, "Stages in the Theological Development of Martin Luther."

MASTER OF PHILOSOPHY.

Alice Edwards Pratt, Ph.B., University of California, 1881.

Department, The English Language and Literature. *Subject*, English. *Thesis*, "The Use of Color in the Poetry of John Keats."

Madeleine Wallin, L.B., University of Minnesota, 1892.
Department, Political Science. *Subjects*, Political Science and History. *Thesis*, "Restrictions of the Powers of Legislatures in State Constitutions."

BACHELOR OF DIVINITY.

(University).

William Louis Blanchard, A.B., University of Dakota, 1889.
Charles William Brinstad, A.B., University of South Dakota, 1888.
William Lewis Burdick, Ph.B., Alfred University, 1890; D.B., *ibid.*, 1892.
James Wallace Cabeen, A.B., Ripon College, 1888.
Edwin Milton Griffin, A.B., Cornell University, 1890.
Charles Asa Hemmenway, A.B., Kalamazoo College, 1892.

George Perry Holcomb, A.B., University of Rochester,
1889.

Frank Kurtz, A.B., Kalamazoo College, 1892.

Willard Cary McNaul, A.B., Bucknell University, 1890.

Theodore Julian Van Horne, A.B., Milton College,
1888.

BACHELOR OF DIVINITY.

(*Theological Union*).

James Washington Falls.

Joseph Haddon Girdwood.

Allan McEwan.

BACHELOR OF THEOLOGY.

(*Theological Union*).

Fred Berry.

Leslie Bower.

Donald Hugh McGillivray.

Ansel Howard Post.

Mary Kimbrough Stoner.

Walter William Theobald.

BACHELOR OF ARTS.

Minnie Frances Babcock.

William Steen Gaud.

Alvan Cavala Halphide.

Hermann von Holst.

Louis Bogart Joralmon.

Herbert Manchester.

Clark Edward Ridpath.

William Rullkoetter.

Edward Octavius Sisson.

Edward Leonard Tupper.

BACHELOR OF PHILOSOPHY.

Jesse Dismukes Burks.

Rizpah Margaret Gilbert.

Robert Franklin Hoxie.

Clarence Hubert Woods.

BACHELOR OF SCIENCE.

Antoinette Cary.

CERTIFICATES.

At the Summer Convocation, June 26, 1893, Certificates were granted as follows:

English Theological Seminary.

William Pearce.

Danish-Norwegian Theological Seminary.

Ove Laurits Høien.

Telleff Christian Pedersen.

Swedish Theological Seminary.

Carl Anderson.

Gustaf Robert Anderson.

Herman Bergman.

Carl Hasselblad.

John Heden.

Magnus Jonson.

Frederick Linden.

Olaf Lindholm.

Johan Roscén.

Carl Axel Salquist.

Carl Gustaf Sten.

Carl Wilhelm Sundmark.

Olaf Taflin.

Carl Fridolf Wiking.

Academic College.

Mary Castle.

Frank Chadbourn.

John Birdsey Curtis.

Michael Frederic Guyer.

John Henry Heil.

Philemon Bulkley Kohlsaat.

Thomas William Moran.

Edwin Morgan.

Thomas Jackson Taylor.

ENTRANCE SCHOLARSHIPS AND HONORS.

Entrance Examination Scholarships—

In connection with September Examinations, to
Alice Van Vliet.

In connection with December Examinations to
Cora B. Jackson.

In connection with March Examinations, to
William E. Walling.

Honors for Excellence in Examinations for Admission—

In connection with September Examinations, to
J. C. Friedman.

In connection with December Examinations, to
Wesley Mitchell and Elizabeth Coolidge.

In connection with March Examinations, to Allen
T. Burns.

*IMPORTANT OFFICIAL ACTIONS OF THE BOARD OF TRUSTEES,
JANUARY-JUNE, 1893.*

JANUARY 20.

Concerning the "Rust Commons and Dormitories for Students," the following letter was read from Mr. H. A. Rust :

CHICAGO, October 4, 1892.

To the Board of Trustees of the University of Chicago.

GENTLEMEN:—Referring to my subscription of Fifty Thousand (\$50,000) Dollars made to President Harper on July 8, 1892, for application upon and to complete the full sum of One Million (\$1,000,000) Dollars to the funds of the University on or before said date, as stipulated in the offer of Mr. Marshall Field dated April 8, 1892, by which he conditionally donated One Hundred Thousand Dollars, I hereby make request that the aforesaid amount of my donation be appropriated to the construction of a building to be used as a "Commons and Dormitories for Graduates;" said building to be the central structure of the Midway Plaisance front of the southwest quadrangle of the University buildings.

I authorize the Trustees of the University to fix such rental for the occupancy of the said "Commons and Dormitories" as to them may seem reasonable and wise, and I request that the net income derived from said building be applied to the maintenance of four (4) Semitic Fellowships, to be constituted and forever set apart for students in the Department of Semitic Languages and Literatures, under such governing regulations as are now in force, or that may hereafter be adopted by the Board of Trustees.

I have with yourselves a deep satisfaction and legitimate pride in the broad foundations laid for our University, as evidenced by its solid financial status, present advanced physical stage, and the corps of men constituting its Faculty. It may justly be esteemed a high privilege to be in any wise a factor in consolidating and setting in motion the moral and intellectual forces embodied in this University.

Yours truly,

HENRY A. RUST.

This letter, with its proposals and conditions, was accepted by the Board.

JANUARY 24.

Concerning the Ryerson Equipment Fund: The following letter was read from Mr. Martin A. Ryerson, President of the Board:

To the Board of Trustees of The University of Chicago.

GENTLEMEN:—Recognizing the University's need of a large fund with which to meet the exceptional

expenses of its organization, and the pressing demands for general improvements and for an equipment in keeping with its endowment, I propose, in order to assist it in securing such a fund, to give to the University One Hundred Thousand Dollars, on condition that an additional sum of Four Hundred Thousand Dollars be subscribed by responsible persons before the first day of May, 1893, and that all subscriptions be made without other conditions than those herein contained, and be payable, one-half on the first day of May, 1893, and the balance on the first day of August, 1893.

Respectfully yours,

MARTIN A. RYERSON.

CHICAGO, January 24, 1893.

The offer of Mr. Ryerson was accepted by the Board. (Mr. Ryerson has since extended the time for completing the sum to the first of July).

JANUARY 24.

Arrangements were made for the publication of the *Biblical World and Hebraica* by the University Press.

FEBRUARY 21.

The University Press was authorized to publish for the Department of Geology a *Journal of Geology*, to appear six times a year.

Concerning Academy Tuition Fee: The tuition fee at Morgan Park Academy was made \$25.00 a quarter instead of \$35.00 a quarter.

Concerning University Administrative Boards: A board of five, consisting of members selected from the University Faculties, was established to administer the libraries, laboratories and museums of the University; the members of this board to be nominated by the President of the University and appointed by the Board of Trustees; the librarian and the directors of all laboratories and museums to be ex-officio members of the board; the board to sustain to the Senate and Council of the University, the relations sustained to those bodies by the Faculties of the University; the members of the board to hold office for one year, or until their successors may be appointed.

A board of five, consisting of members selected from the University Faculties, was established to administer the work of the University in connection with its affiliated institutions; the members of the board to be nominated by the President and appointed by the Board of Trustees; the director of the affiliated institutions to be ex-officio member of the board; this

board to sustain to the Senate and Council of the University the relations sustained to those bodies by the faculties of the University; the members of the board to hold office for one year, or until their successors may be appointed.

A board of five, consisting of members selected from the University Faculties, to administer the work of the University Press; the members of the board to be nominated by the President and appointed by the Board of Trustees; the director of the University Press to be ex-officio member of the board; this board to sustain to the Senate and Council of the University the relations sustained to those bodies by the Faculties of the University; the members of the board to hold office for one year, or until such time as their successors may be appointed.

A board of five, consisting of members selected from the University Faculties, to administer the work of the Department of Physical Culture and Athletics in the University; the members of the board to be nominated by the President and appointed by the Board of Trustees; the Director of Physical Culture and Athletics to be ex-officio member of the board; this board to sustain to the Senate and Council of the University the relations sustained to those bodies by the Faculties of the University; the members of the board to hold office for one year, or until their successors may be appointed.

It was voted that the President of the University be Chairman of all the aforesaid boards.

Concerning the Calendars of the University: It was voted that the Calendars of the University be issued on the first day of May, August, November, and February respectively; each Calendar to contain an historical résumé of the work of the preceding quarter, including the Convocation address, the President's quarterly statement, and the degrees and honors conferred; important official actions passed by the Trustees or by the Faculties; such other historical matter as may be of general interest; the material formerly published in the Calendar to appear in the Annual Register.

Concerning Annual Reports: It was voted that the Annual Reports of the President and other administrative officers be published on or about November 1, and the President be authorized to take such steps as may be necessary to secure from the various Faculties and officers of the University the necessary material, the amount of matter to be limited to four hundred pages.

Concerning Administrative Boards of the Faculty: In accordance with the request of the Faculty of Arts,

Literature and Science, permission was given to said Faculty to delegate at its discretion its powers relating to the enforcement of regulation and discipline, except the infliction of penalties of dismissal and expulsion, to Administrative Boards: these to consist either (1) of all instructors who have students in their courses from their respective schools or colleges; or (2) of twelve members to be nominated from the Faculty by the President; such Board in either case to be appointed by the Trustees, to hold office for one year, and to be subject to the authority of the Faculty. The four boards were constituted as follows, the term of office being one year from May 1:

- (1) The Board for the Administration of the Academic Colleges, to consist of all the instructors in the Academic Colleges.

- (2) The Board for the Administration of the University Colleges:

The President, Chairman; Head Prof. Thomas C. Chamberlin, Prof. Harry P. Judson, Assistant Prof. Marion Talbot, members *ex-officio*; Prof. Benjamin S. Terry, Prof. Rollin D. Salisbury, Associate Prof. Frank F. Abbott, Associate Prof. Oskar Bolza, Assistant Prof. Francis A. Blackburn, Assistant Prof. Henry M. Stokes, Assistant Prof. Clarence F. Castle, Assistant Prof. Frederick Starr, Assistant Prof. Samuel W. Stratton, Assistant Prof. James H. Tufts, Assistant Prof. Carl D. Buck, Dr. Bert. J. Vos.

- (3) The Board for the Administration of the Graduate School of Arts and Literature:

The President, Chairman; Head Prof. William I. Knapp, Head Prof. H. Edouard von Holst, Head Prof. William G. Hale, Head Prof. J. Laurence Laughlin, Head Prof. Albion W. Small, Prof. William C. Wilkinson, Prof. Harry P. Judson, Prof. Emil G. Hirsch, Prof. Paul Shorey, Prof. E. Hastings Moore, Associate Prof. Charles A. Strong, Assistant Prof. Starr W. Cutting.

- (4) The Board for the Administration of the Ogden (Graduate) School of Science:

The President, Chairman; Head Prof. Thomas C. Chamberlin, Head Prof. Charles O. Whitman, Prof. Henry H. Donaldson, Prof. Franklin P. Mall, Associate Prof. Joseph P. Iddings, Associate Prof. George E. Hale, Assistant Prof. Henry N. Stokes, Assistant Prof. Heinrich Maschke, Assistant Prof. George Baur, Assistant Prof. Jacques Löeb, Assistant Prof. Samuel W. Stratton.

By a later action of the Trustees, this Board was made to include all instructors in the School.

FEBRUARY 28.

Concerning Visiting Committees : On recommendation of the Committee on Organization and Faculties it was voted to appoint visiting committees upon each of the subjects named below, each committee to be nominated by the President of the University and appointed by the Board of Trustees, to serve one year from the first of May; these committees to be requested to keep themselves informed of the aims and actual workings of the several departments, and to give to the Board of Trustees such advice and such suggestions as may seem advisable.

Subjects :

Philosophy, Political Economy, Political Science, History, Social Science and Anthropology, Comparative Religions, Semitic Languages and Literatures, Biblical and Patristic Greek, Sanskrit and Indo-European Comparative Philology, Ancient Greek and Greek Archaeology, Latin and Roman Archaeology, the Romance Languages and Literatures, the Germanic Languages and Literatures, the English Language and Literature and Rhetoric, Mathematics, Astronomy, Physics, Chemistry, Geology and Mineralogy, Zoölogy and Paleontology, Botany, Anatomy, Physiology, Neurology, Physical Culture, Library Administration, Social Life of the University, Sanitation of the University, University Extension.

MARCH 28.

Concerning the Astronomical Observatory : It was voted that the Astronomical Observatory to be founded by Charles T. Yerkes, be located on the shore of Lake Geneva, Wis., on condition that a satisfactory site be provided and other conditions fulfilled.

MARCH 31.

Announcement Concerning Gifts : A subscription from Henry J. Furber of \$1,500 per year for ten years, to meet the expenses of publication in the department of Political Economy.

An annual prize of \$150 from Dr. Emil G. Hirsch, for the best thesis on a Semitic subject.

MAY 2.

Concerning Tenure of office : That unless otherwise arranged, the tenure of office of Assistant Professors be four years, of Instructors three years, of Tutors two years, of Assistants, Readers, Docents and Fellows one year. At the end of the term the connection of an Assistant Professor, Instructor, Reader, Docent, and Fellow ceases unless he be re-appointed.

JUNE 14.

Concerning Remission of Tuition Fees : That no remission of tuition fees be granted to students in any

department during the First Quarter of residence at the University, and that in every case remission of fee for services rendered shall be earned in advance.

Concerning Diplomas and Certificates : That the Diplomas and Certificates shall be signed by the President and Secretary of the Board of Trustees, by the President and Examiner of the University, by the Dean or Deans with whom the student has been associated, and, in the case of higher degrees, by the head-professor or acting head of the department in which the student has done his principal work.

Concerning Kenwood Institute : That Kenwood Institute be affiliated with the University.

Concerning a Student's Bond : That a bond in the sum of \$200 be required of all Academic College, University College, and Unclassified students, with a clause in the bond covering a payment of a fine of \$5.00 in case the student does not give proper notice of withdrawal to the Dean of his department. It is understood that this guarantee will be executed by one sufficient bondsman, who may be a parent or guardian, and that no officer of the Institution will be accepted as a bondsman. The bond guarantees the payment of all University bills, fees, and fines, including room rent, board bills, and such sums as may be charged for damage to University property caused by the student's act or neglect. Application for the blank bonds should be made to the Registrar, and the bond must be deposited with him at the time of matriculation.

Concerning University Houses : That the following plan for the organization of University Houses be adopted :

1. Members of the University entitled to continuous residence in a particular Hall shall constitute a House. Each House shall have a Head, appointed by the President of the University; a Councilor, chosen from a Faculty of the University by the members of the House; a Committee, elected by the members of the House, of which House Committee the Head of the House shall be chairman, and the Councilor a member, *ex-officio*; and a Secretary and Treasurer elected by the members of the House, subject to the approval of the President. Each House, through its Committee, shall make an annual report to the President.

2. The residents in a House shall be members or guests:

- (1) Membership shall be determined by election under the respective House by-laws. Election of members shall take place during the last week of the first Term of each Quarter.

(2) In case of vacancies the Registrar shall have power to assign applicants to rooms in the order of application. Students thus assigned shall be considered guests, and if these guests are not elected to membership during the first Quarter of residence, they shall have no further claim upon the rooms occupied. The room-rents will be fixed and collected by the Registrar.

3. Each House shall be governed by a body of rules adopted by a two-thirds vote of the members of the House and approved by the University Council.

4. Purchases of furniture and equipment of the House shall be made by the Secretary of the Board of Trustees upon requisition signed by the Head of the House and its Secretary, and approved by the Committee of the Board on Buildings and Grounds.

5. The Board of Trustees will advance from time to time the money to pay bills of the House so incurred. The interest on these advances shall be at the rate of six per cent. per annum. The House shall have possession and use of the furniture and equipment, and assume all responsibility for the same. The ownership of all furniture, decoration, and equipment thus provided shall be in the University, and nothing herein contained shall be construed as giving to any resident of the House any title thereto beyond such right to use the same as may accrue to such resident as a member or guest of the House.

6. The residents of a House shall pay quarterly in advance to the Treasurer of the House a sum amounting to five per cent. of the total estimated value of the furniture and equipment of the House; this sum shall be assessed upon the residents of the House and shall

be used (1) in paying the interest on said estimated value of furniture and equipment and on any money advanced by the Board of Trustees, (2) in paying to the Treasurer a sum not less than ten per cent. per annum of the value of all furniture and equipment until such advances made by the University shall have been repaid, (3) in expenditure for new furniture, equipment, and decoration. A quarterly statement shall be made by the Treasurer of the House to the Registrar.

7. Residence in a House is limited to students while in the University.

8. Houses may be organized outside of the University Quadrangles in accordance with these regulations, and will be assigned to new dormitories in the Quadrangle in the order of application.

Concerning the "Ellen B. Bastin Prize:" That the offer of the Philosophy and Science Department of the Chicago Woman's Club be accepted, viz.: to establish in the University of Chicago a prize to be called the "Ellen B. Bastin Prize," to be given to the woman who presents the best paper embodying the results of her own original research in any of the Natural Sciences; the committee for the selection of the subject and the awarding of the prize to be named by the President of the University, and the name of the successful candidate to be announced at the July Convocation. It is further understood that the paper, if published, shall be known as the "Ellen B. Bastin Prize Paper," that a copy of it shall be filed with the Philosophy and Science Department of the Chicago Woman's Club; and that the sum offered will be not less than \$50.

THE WORK OF UNIVERSITY ORGANIZATIONS.

THE UNIVERSITY UNION.

MID-WINTER MEETING, FEBRUARY 11, 1893.

PAPERS:

The Physical Basis of Heredity.

MR. F. R. LILLIE.

The Rocky Mountain Locust and its Ravages in the Northwest. MISS MADELEINE WALLIN.

Chicago as a Sociological Laboratory.

MR. CHARLES W. SPENCER.

SPRING MEETING, MAY 12, 1893.

The New Rhetoric.

MR. EDWIN H. LEWIS.

Progress and Party. MR. JAMES W. THOMPSON.

Present Progress in Glacial Geology.

MR. HENRY B. KUMMEL.

THE PHILOLOGICAL SOCIETY.

All persons giving instruction in any one of the languages in the University of Chicago and any graduate students working in the languages are eligible to membership in the University of Chicago Philological Society. The programmes are arranged by a committee appointed annually, consisting of three instructors

in the University and two graduate students. This committee is at present made up of the following members: Professor W. I. Knapp, President; Assistant Professor C. D. Buck, Vice-Pres.; Associate Professor F. F. Abbott, Secretary; Mr. E. H. Lewis, and Miss Mabel Banta, of the Graduate School.

PAPERS:

The Clause of Purpose in Sanskrit, Greek, and Latin, and in the Parent Speech.

PROFESSOR WILLIAM G. HALE.

The Derivation of the Latin Quoins.

ASSISTANT PROFESSOR CARL D. BUCK.

The Formal Changes in Language.

PROFESSOR GUSTAF E. KARSTEN,
Of the University of Indiana.

DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

PAPERS:

General Physiology in Relation to Morphology.

PROFESSOR C. O. WHITMAN.

Some Results of the Galapagos Expedition.

ASSISTANT PROFESSOR G. BAUR.

Review of "Surface Anatomy of the Cerebral Hemisphere."—Cunningham.

PROFESSOR H. H. DONALDSON.

Problems in Cell Theory—(1) *The Nucleus.*

DR. S. WATASÉ.

(2) *Phagocytosis.*

DR. S. WATASÉ.

Protective Resemblance and Mimicry.

DR. WILLIAM M. WHEELER.

Bacteriology in its General Relations.

DR. H. L. RUSSELL.

Problems in Cell Theory—(3) *The Cytoplasm and Nucleus.*

DR. S. WATASÉ.

Morphology of the Germ Cells—(1) *The Spermatozoön.*

DR. S. WATASÉ.

Immunity from Contagious Diseases.

DR. H. L. RUSSELL.

General Life Phenomena.

ASSISTANT PROFESSOR JACQUES LOEB.

The Position of the Mollusca as indicated by a Study of the Nervous System.

MR. FRANK R. LILLIE.

Nephridia in Annelids.

MR. ALBERT D. MEAD.

Immunity and Practical Results in Therapeutics.

DR. H. L. RUSSELL.

Fixation of Nitrogen by Bacteria and their Relation to Soil Fertility.

DR. H. L. RUSSELL.

Histo-genesis of the Retina.

PROFESSOR FRANKLIN P. MALL.

THE CHURCH HISTORY CLUB.

PAPERS:

Life of Luther to the year 1501.

MR. E. S. STUCKER.

The Intellectual Preparation for the Reformation in the 14th and 15th Centuries.

MR. CARL D. CASE.

The Moral Preparation for the Reformation in the 14th and 15th Centuries.

MR. ALFRED W. WISHART.

Monastery Life in Luther's Time.

MR. I. W. ALLEN, JR.

University Life in Luther's Time.

MR. CHARLES W. BRINSTAD.

The Theses.

MR. FRANK KURTZ.

The Leipsic Disputations.

MR. JOHN A. EAKIN.

Stages in Luther's Theological Development.

MR. CLIFFORD W. BARNES.

THE CLASSICAL CLUB.

PAPERS:

A Trip to Delphi.

PROFESSOR PAUL SHOREY.

Translations from Theognis.

MR. WILLIAM F. BREWER.

The Expression of the Condition contrary to fact in Greek and Latin.

PROFESSOR WILLIAM G. HALE.

Translations from Simonides.

MISS MABEL BANTA.

Interpretations of a Passage in Vitruvius.

ASSISTANT PROFESSOR EDWARD CAPPS.

A Talk on Greece.

PROFESSOR GEORGE H. PALMER, Harvard.

The Latinity of the Younger Cicero.

ASSOCIATE PROFESSOR FRANK F. ABBOTT.

The Women of the Æneid.

MISS LYDIA MITCHELL DAME.

The Hexameters of Ennius.

DR. FRANK J. MILLER.

THE ENGLISH CLUB.

PAPERS:

The Use of the Senses in Poetry.

MRS. B. L. MCCLINTOCK.

The History of the Folk-tale of Childe Roland.

MR. OSCAR L. TRIGGS.

English Books in American Libraries.

MR. FREDERICK I. CARPENTER.

Tennyson's "In Memoriam."

MR. EUGENE PARSONS.

The Use of Color in Poetry.

MISS ALICE PRATT.

Tennyson's Treatment of Classical Themes.

PROFESSOR PAUL SHOREY.

THE EXEGETICAL CLUB.

PAPERS:

The Literary Relation between the Old Testament and the New.

ASSOCIATE PROFESSOR IRA M. PRICE.

The Historical Relation between the Old Testament and the New.

MR. CHARLES L. PAYNE.

The Old Testament preparatory to the New.

MR. CHARLES W. BRINSTAD.

Preepts of the Old Testament and Gospel of the New.

MR. HARRY HOWARD.

Sacrifice.

MR. E. A. READ.

Priesthood.

MR. THEODORE J. VAN HORN.

The Kingdom of God.

PROFESSOR ERNEST D. BURTON.

Prophecy and its Fulfillment.

MR. RALPH P. SMITH.

Typology.

MR. BENJAMIN F. MARTIN.

Matthew's Quotations from the Old Testament.

MR. EDWIN M. GRIFFIN.

The New Testament, the Culmination of the Old.

MR. CHARLES A. HEMENWAY.

Christianity and the Old Testament.

MR. WILLARD D. BURDICK.

"Son of God" in the Old Testament.

MR. LORAN D. OSBORN.

The Occurrence of the Expression "The Son of God" in the Old Testament.

MR. LARAN D. OSBORN.

Christianity and the Old Testament.

MR. WILLARD D. BURDICK.

THE GEOLOGICAL CLUB.

PAPERS:

The Geology of the Sierra Nevada.

PROFESSOR T. C. CHAMBERLIN.

The Faults in the Triassic Sandstone about Meriden, Conn.

MR. HENRY B. KUMMEL.

The Glacial Theories of Croll and Wallace.

MR. JOHN A. BOWNOCKER.

Nausen's New Arctic Expeditions.

MR. S. B. BARRETT.

The Gravel Deposits of the Sierra Nevada.

PROFESSOR T. C. CHAMBERLIN.

The Coal Measures of Missouri.

MR. CHARLES H. GORDON.

On the Trenton Gravel Deposits.

MR. G. N. KNAPP.

A Discussion of a Recent Paper on "Variations of the Under-ground Water-Level."

MR. CHARLES E. PEET.

A Discussion of a Recent Paper on the Age of the Earth.

MR. JOHN A. BOWNOCKER.

Some Physical Features of Massachusetts as shown by the Topographical Maps.

MR. HENRY B. KUMMEL.

Methods of Work of the Geological Survey.

ASSOCIATE PROFESSOR IDDINGS.

Continental Islands.

ASSOCIATE PROFESSOR BAUR.

Local Lake Shore Formations (SEMINAR).

THE LATIN CLUB.

Bi-weekly meetings have been held since the first of January, at each of which a portion of the *Tuseulan Disputations* of Cicero have been read and discussed.

Membership in this undergraduate club is open to those students who have had at least two Majors of Latin in the University. Its object is to extend the knowledge of Latin literature and to give additional power in reading at sight.

THE MATHEMATICAL CLUB AND SEMINAR.

Cremona: A Figure in Space from which the Properties of Pascal's Hexagon in the Plane are easily deducible.

PROFESSOR E. HASTINGS MOORE.

The Complete Form-System of the Hessian Group of ternary linear homogeneous Substitutions.

ASSISTANT PROFESSOR HEINRICH MASCHKE.

Note on the Divisibility of Numbers.

MR. HARRIS HANCOCK.

On Hölder's Enumeration of all Simple Groups whose Order is not greater than 200.

DR. J. W. A. YOUNG.

An Existence—Proof of the Group of Order 168 as a Group of Substitutions on 7 letters.

PROFESSOR E. HASTINGS MOORE.

Weierstrass: Zur Theorie der aus n Haupttheilen gebildeten complexen Grössen.

ASSOCIATE PROFESSOR OSKAR BOLZA.

A Remark of Eisenstein on Invariants.

ASSISTANT PROFESSOR HEINRICH MASCHKE.

Hölder's Proof that a Simple Group of Order 180 does not exist.

DR. J. W. A. YOUNG.

Fuchs's Normal Form for Linear Differential Equations of the Second Order, all of whose Integrals are regular.

MR. HARRIS HANCOCK.

A Note on the Theory of Numbers.

PROFESSOR E. HASTINGS MOORE.

The Transformation of Hyperelliptic Integrals to Elliptic Integrals.

MR. JOHN I. HUTCHINSON.

Kronecker's Determination of all Commutative Groups.

DR. J. W. A. YOUNG.

A Theorem concerning Linear Differential Equations with constant co-efficients.

MISS MARY F. WINSTON.

Fermat's Theorem.

MR. HARRIS HANCOCK.

Gamma Functions of a complex Variable.

ASSOCIATE PROFESSOR OSKAR BOLZA.

Galois' Theory of Imaginaries in the Theory of Numbers.

PROFESSOR E. HASTINGS MOORE.

Gamma Functions of a complex Variable (Second Paper).

ASSOCIATE PROFESSOR OSKAR BOLZA.

A Ternary Algebraic Problem.

ASSISTANT PROFESSOR HEINRICH MASCHKE.

Secular Action of Tidal Friction.

DR. T. J. J. SEE.

An Invariantive Problem in the Theory of Linear Differential Equations.

ASSOCIATE PROFESSOR OSKAR BOLZA.

Concerning a Linear Differential Equation which is connected with the Hyperelliptic Integral of the First Order and of the First Kind.

MR. HARRIS HANCOCK.

Netto: Zur Theorie der Tripelsysteme.

PROFESSOR E. HASTINGS MOORE.

Concerning the Equilateral Hyperbola.

MR. J. ARCHY SMITH.

A Triple System in twenty-five Elements.

PROFESSOR E. HASTINGS MOORE.

A Method of Construction of Triple Systems in any Number t of Elements, t being of the form $6m + 1$ or $6m + 3$.

PROFESSOR E. HASTINGS MOORE.

On the Historical Development of the Theory of Fourier's Series.

ASSISTANT PROFESSOR HEINRICH MASCHKE.

Concerning the Transformation of Hyperelliptic Integrals to Elliptic Integrals.

MR. JOHN I. HUTCHINSON.

On the Determination of Groups, whose Order is a Power of a Prime.

DR. J. W. A. YOUNG.

The Fundamental Theorem of Algebra. Gauss' First Proof.

MR. NAPOLEON B. HELLER, May 26.

Sketches of Proofs by Gauss (the third), Argand, Cauchy, and Weierstrass.

PROFESSOR BOLZA.

Concerning Binary Matrices.

PROFESSOR OSCAR MOORE.

Hesse's Enumeration of the Bitangents of the Plane Quartic.

PROFESSOR HENRY S. WHITE, Northwestern University.

THE NEW TESTAMENT CLUB.

This Club has been engaged in the study of Hellenistic Greek Literature.

THE PHYSICS CLUB.

PAPERS:

The Micrometer; its Preparation and Use.

MR. M. D. EWELL.

The Use of the Projecting Lantern.

ASSISTANT PROFESSOR S. W. STRATTON.

The Wheatstone Bridge and Comparison of Resistances.

ASSISTANT PROFESSOR S. W. STRATTON.

Methods of Comparing Electro-Motive Force.

ASSISTANT PROFESSOR S. W. STRATTON.

Test of Some Recent Dry Batteries.

MR. HOBBS.

Thermo-Electricity.

MR. SCHNELLE.

Double Refraction and Polarization.

ASSISTANT PROFESSOR S. W. STRATTON.

Double Refraction and Polarization (Second Paper).

ASSISTANT PROFESSOR S. W. STRATTON.

Photography as applied to Scientific Investigation.

MR. G. A. DOUGLASS.

A Series of Lectures on Sound.

ASSISTANT PROFESSOR STRATTON.

The use of the Spectroscope in connection with the Telescope.

ASSOCIATE PROFESSOR GEORGE E. HALE.

Electrical Exhibits at the World's Fair.

MR. SCHNELLE.

Electric Signalling Systems. MR. J. W. BRAAM.

THE POLITICAL ECONOMY CLUB.

PAPERS :

The Necessity of Railway Pooling under Governmental Control. MR. JAMES PEABODY.

Taxation. MR. FRANK P. CRANDEN.

Single Tax. MR. E. O. BROWN.

University Settlements. MR. EDWARD CUMMINGS.

The Sweating System in Chicago. MR. ABRAM BISNO.

The Sweating System. MRS. FLORENCE KELLY.

Socialism. MR. THOMAS J. MORGAN.

Socialism. MR. THOMAS J. MORGAN.

Railroad Pooling. HON. ALDACE F. WALKER.

The Revolutionary Movement in Russia. DR. I. A. HOURWICH.

German Banks. DIRECTOR DERNEBERG.

The Culture Cycle. MR. W. G. TAYLOR.

THE POLITICAL SCIENCE AND HISTORY CLUB.

PAPERS :

The Probable Liberal Program in the Coming Parliament.

PROFESSOR THOMAS J. LAWRENCE and
MR. THEODORO G. SOARES.

The Spanish Intrigues in Kentucky; a Forgotten Chapter in the History of the Mississippi Valley. MR. FRANK W. SHEPARDSON.

An Incident Connected with the Founding of the House of Hapsburg.

MR. OLIVER J. THATCHER.

Municipal Reform as Related to Party Politics.

JUDGE I. K. BOYSEN.

The Hawaiian Question.

PROFESSOR HARRY PRATT JUDSON.

The Work of the Bureau of Justice.

MR. JOSEPH W. ERRANT.

The New Home - Rule Bill.

PROFESSOR THOMAS J. LAWRENCE.

The Work of the Bureau of Justice.

MR. J. W. ERRANT, April 5.

Man and his Works: on Anthropology at the World's Fair.

MR. GEORGE A. DORSEY, April 19.

Early Legal History of Illinois.

MR. C. C. PICKETT, May 10.

Some Phases of Japanese Politics.

MR. E. W. CLEMENT, May 24.

THE SEMITIC CLUB.

PAPERS :

Tel-el-Amarua Tablets in the British Museum.

ASSOCIATE PROFESSOR ROBERT F. HARPER.

W. Robertson Smith's Religion of the Semites.

PROFESSOR EMIL G. HIRSCH.

C. H. Toy's Judaism and Christianity.

ASSOCIATE PROFESSOR GEORGE S. GOODSPEED.

Coruill's Einleitung in das alte Testament, comparing with it Driver's Introduction to the Literature of the Old Testament.

PROFESSOR EMIL G. HIRSCH.

Palestine as a Field for Excavation.

DR. CHARLES F. KENT.

The Titles of the Psalms. MR. ELJI ASADA.

Bartl's Die Nominal-bildung in den Semitischen Sprachen.

ASSOCIATE PROFESSOR IRA M. PRICE.

A Trip through Asiatic Turkey.

ASSOCIATE PROFESSOR ROBERT F. HARPER.

A Comparison of the Hebrew and Babylonian Accounts of the Creation and the Deluge.

MR. LORAN D. OSBORN.

The Semitic Verb.

PROFESSOR AUGUSTUS S. CARRIER.

Some Studies in the Book of Daniel.

PROFESSOR MILTON S. TERRY.
Garrett Biblical Institute.

Babylonian Legends. PROFESSOR E. T. HARPER.
Chicago Theological Seminary.

THE SOCIAL SCIENCE CLUB.

PAPERS:

The Charities of Chicago. REV. C. G. TRUESDELL.
Associated Charities in Cities.

MR. NATHANIEL E. ROSENAU.

The Work of Hull House. MISS JANE ADAMS.

Organizations of Switehmen.

MR. FRANK D. SWEENEY.

The Socialists' Charges against Capitalistic Organizations.

MR. THOMAS J. MORGAN.

The Program of Socialism.

MR. THOMAS J. MORGAN.

Socialism.

MR. LAWRENCE GRONLUND.

CHAPEL ADDRESSES.

The following addresses were delivered at the Chapel Services from October 1, to June 26, 1893:

- REV. P. S. HENSON, D.D., Chicago. *The Great Teacher.* Friday, Oct. 7.
REV. L. P. MERCER, D.D., Chicago. *The Divine Life in Human Form.* Monday, Oct. 10.
REV. J. H. BARROWS, D.D., Chicago. *Fellowship in Spiritual Life.* Tuesday, Oct. 11.
REV. W. F. BLACK, D.D., Chicago. *Fidelity to Personal Conviction.* Saturday, Oct. 15, 1892.
REV. DAVID SWING, D.D., Chicago. *What is Literature.* Monday, Oct. 17.
PROFESSOR E. G. HIRSCH, The University. *Individual Expression of Universal Thought.* Tuesday, Oct. 18, 1892.
REV. W. W. FENN, Chicago. *The Responsibilities of the Successful.* Tuesday, Oct. 25.
REV. W. M. LAWRENCE, D.D., Chicago. *The Student in his Relations.* Thursday, Oct. 27.
REV. O. P. GIFFORD, D.D., Chicago. *Knowing the Truth.* Monday, Oct. 31.
REV. C. LOCKE, D.D., Chicago. *Obsta Princeps.* Thursday, Nov. 3.
REV. S. J. MCPHERSON, D.D., Chicago. *Character as a Positive Force.* Tuesday, Nov. 8.
REV. L. A. CRANDALL, D.D., Chicago. *Greatness.* Friday, Nov. 11.
REV. A. P. GRAVES, D.D. (Evangelist). *Passion for Souls.* Thursday, Nov. 17.
PRESIDENT R. H. JESSE, of Missouri University. *Greeting.* Monday, Nov. 14.
REV. A. K. PARKER, D.D., Chicago. *Friendship.* Friday, Nov. 25.
REV. H. W. THOMAS, D.D., Chicago. *Results of Culture in Character.* Tuesday, Nov. 22.
REV. J. R. GOW, Hyde Park. *Character and Modern Life.* Wednesday, Nov. 30.
MISS JANE MEAD WELCH, Buffalo. *Columbus.* December, 1892.
PROFESSOR H. P. JUDSON, The University. *Dreibund.* Wednesday, Dec. 7.
MR. JOSEPH JEFFERSON, Actor. *Bacon and Shakespeare.* Friday, Dec. 9.
PROFESSOR JOHN C. GRANT, Harvard School. *The Work of the Affiliated Harvard School.* Saturday, Dec. 10.
PROFESSOR T. J. LAWRENCE, The University. *The Statesman Prelate: Stephen Langton.* Monday, Dec. 12.
PROFESSOR T. J. LAWRENCE, The University. *The Patriot Earl: Simon de Montfort.* Tuesday, Dec. 13.
PROFESSOR T. J. LAWRENCE, The University. *The Reforming King: Edward I.* Wednesday, Dec. 14, 1892.
PROFESSOR LEWIS STUART, Lake Forest University. *Education and Life.* Thursday, Dec. 15.
PROFESSOR C. O. WHITMAN, The University. *The Marine Laboratory.* Friday, Dec. 16.
MR. E. B. SMITH, Chicago. *The Armour Missions.* Monday, Dec. 19.
PROFESSOR H. H. DONALDSON, The University. *The Meaning of Effort.* Wednesday, Dec. 21.
RABBI JOSEPH STOLTZ, Chicago. *There is a God.* Thursday, Dec. 22.
PROFESSOR T. C. CHAMBERLIN, The University. *Trip to the Sierras.* Wednesday, Jan. 4, 1893.
REV. THOS. C. HALL, Chicago. *The Personal Equation.* Tuesday, Jan. 10.
PROFESSOR NATHANIEL BUTLER, JR., The University. *The Place of Christianity in Culture.* Tuesday, Jan. 24.
HON. WILL CUMBACK, Greensburg, Ind. *Life's Great Conflict.* Monday, Jan. 30.
RIGHT REV. SAMUEL FALLOWS, D.D., Chicago. *Truth.* Wednesday, Feb. 1.
PROFESSOR J. C. LITTLE, Northwestern University. *Some Points in a Scholar's Creed.* Thursday, Feb. 15.

- PROFESSOR G. H. PALMER, Harvard University. *Modern Tendencies in Ethics*. Friday, Feb. 3.
 PROFESSOR G. ANDERSON, The University. *The True Conception of Education*. Tuesday, Feb. 7.
 PROFESSOR I. B. BURGESS, The Academy, Morgan Park. *The Morgan Park Academy*. Friday, Feb. 10.
 MR. GEORGE ELLSWORTH HOLMES, Baritone, sang. Dec. 14, 1892.
 MR. EDOUARD REMENYI, Violinist, gave selections upon the violin Tuesday, Dec. 20, 1892.
 MR. WILLIAM H. SHERWOOD, Pianist, gave selections upon the piano, Jan. 20, 1893.
 MR. WILLIAM ORDWAY PARTRIDGE, Wednesday, May 17.
 MME. MARIE MARSHALL, France, Friday, June 2.
 GENERAL T. J. MORGAN, Ex-Commissioner of Indian Affairs.
 REV. EDWIN M. POTEAT, New Haven, Conn., Wednesday, June 7.
 MRS. MARY A. LIVERMORE, Boston, Mass., Thursday, June 8.
 REV. GEORGE B. VOSBURGH, Tuesday, June 13.
 REV. H. H. HART, President of National Conference of Charities and Corrections, Wednesday, June 14.
 HON. ROBERT TREAT PAINE, Boston, Mass., *Modern Charities*, Thursday, June 15.
 HON. CHARLTON T. LEWIS, New York, *The Study of Social Science*, Friday, June 16.
 PRESIDENT WILLIAM R. HARPER, *The Organization of University Houses*, Monday, June 19.

PUBLIC LECTURES.

The following Public Lectures were delivered at the University during the year:

- MRS. E. H. RICHARDS, Institute of Technology, Boston.
The Value of Sanitary Study to Workers in Social Science. October.
- PROFESSOR THOMAS J. LAWRENCE, The University.
An Historic English Town: Bury St. Edmunds. October 25th.
- PROFESSOR J. LAURENCE LAUGHLIN, The University.
Political Economy and Christianity. October.
- PROFESSOR WILLIAM I. KNAPP, The University.
The Life and Time of Cervantes. October.
- PROFESSOR EMIL G. HIRSCH, The University.
Ernest Rénan and his Contributions to the Knowledge of Semitics. November 3d.
- PROFESSOR E. G. ROBINSON, The University.
Economics and Social Science as a Part of a Theological Education. November 5th.
- DR. EDWARD PICK, England.
Memory Training. December 3d.
- DR. H. C. MABIE, Boston.
Foreign Missions. December 15th.
- PRESIDENT WILLIAM R. HARPER, The University.
Rationalistic and Rational Higher Criticism. January.
- PROFESSOR GEORGE H. PALMER, Harvard University.
The Doctrine of Immortality. January 16th.
- REV. KITTRIDGE WHEELER, Chicago.
Egypt and the Nile. February 16th.
- REV. FRANK W. GUNSAULUS, Chicago.
The Americanism of Washington. February 22d.
- PROFESSOR ERNEST D. BURTON. Sunday Afternoon Course of Lectures.
Three Lectures on the Letters of the Apostle Paul to the Corinthians.
- PROFESSOR ERNEST D. BURTON. Sunday Afternoon Course of Lectures.
Five Lectures on the Sermon on the Mount.
- PRESIDENT WILLIAM R. HARPER. Sunday Afternoon Course of Lectures.
Six Lectures on the Book of Job.
- ASSISTANT PROFESSOR GEORGE S. GOODSPEED. Sunday Afternoon Course of Lectures.
Six Lectures on Post-Exilic History and Literature.
- PRESIDENT WILLIAM R. HARPER. Sunday Afternoon Course of Lectures.
The Prophecies Connected with the Fall of Jerusalem.

ADDRESSES BEFORE THE CHRISTIAN UNION.

The following addresses have been delivered before the Christian Union on Sunday evenings during the year:

- PRESIDENT WILLIAM R. HARPER, The University.
Aims of the Christian Union. November 26.
- PROFESSOR J. LAURENCE LAUGHLIN, The University.
The Spiritual Life. November 26.
- PROFESSOR ALBION W. SMALL, The University.
Paul's Personal Religion. December 4th.
- PROFESSOR JAMES H. TUFTS, The University.
The Eternal in the Heart of Man. December 11th.
- PROFESSOR THOMAS J. LAWRENCE, The University.
Two Aspects of Christianity. December 18th.
- PROFESSOR EZEKIEL G. ROBINSON, The University.
The University Sermon. Haggai 1:6-7. January 1, 1893.
- PROFESSOR HARRY PRATT JUDSON, The University.
An Obsolete Law. January 8th.
- ASSISTANT PROFESSOR FRANKLIN JOHNSON, The University.
Christ's Conception of True Greatness. January 15th.
- BISHOP JOHN H. VINCENT, Buffalo, N. Y.
Things Hard to Understand in the Bible. January 22d.
- PROFESSOR GEORGE H. PALMER, Harvard University.
Patience. February 5th.
- ASSISTANT PROFESSOR CHARLES R. HENDERSON, The University.
Christ's Survey of His Work for the World. February 12th.
- REV. EDWARD EVERETT HALE, D.D., Boston, Mass.
Glorifying God in all Things. February 19th.
- PRESIDENT GEORGE S. BURROUGHS, Wabash College.
Bible Study, Why and How. February 26th.
- PROFESSOR EMIL G. HIRSCH, The University.
The Basis of Religious Beliefs. March 5th.
- PROFESSOR ERI B. HULBERT, The University.
The Moral Argument of Christianity. March 12th.
- PROFESSOR ERNEST D. BURTON, The University.
Christ's Ideal for His Followers. March 19th.
- REV. HERRICK JOHNSON, D. D., Chicago.
The University Sermon. Timothy iv:16. April 2d. Hyde Park Presbyterian church.

- PROFESSOR THOMAS C. CHAMBERLIN, The University.
The Immanence of God. April 9.
- MRS. ALICE FREEMAN PALMER, The University.
Christian Service. April 16.
- MRS. BALLINGTON BOOTH, New York.
The Salvation Army. April 23.
- REV. W. W. FENN, Chicago.
Thy Will be Done. April 30.
- MR. WILLIAM CALDWELL, The University.
Belief—An Analytical Study. May 7.
- REV. JENKIN LLOYD JONES, Chicago.
Changing the Foundation. May 14.
- MISS KATE MARSDEN, England.
The Lepers of Siberia. May 21.
- PROFESSOR WILLIAM D. MCCLINTOCK, The University.
The Natural History of a Sin. May 28.
- PRESIDENT A. H. STRONG, Rochester Theological Seminary.
Saving Faith. June 4.
- PROFESSOR PAUL SHOREY, The University.
Religion and Mythology in Greece and Rome. June 11.
- REV. N. I. RUBINKAM, Ph.D., Chicago.
The Secret Power. June 18.
- REV. O. P. GIFFORD, D.D., Chicago.
The University Sermon. June 25.

A BIBLICAL INSTITUTE ON ISAIAH

was held under the auspices of the American Institute of Sacred Literature, February 24-26.

PAPERS:

- The Earliest Work of Isaiah.*
The Later Work of Isaiah.
The Final Work of Isaiah.
- PRESIDENT WILLIAM R. HARPER.
Isaiah's Conception of God.
- ASSISTANT PROFESSOR TUFTS.
Isaiah in the New Testament.
- PROFESSOR BURTON.
The Contributions of Assyrian Research.
- ASSOCIATE PROFESSOR PRICE.
The Spiritual Element in Isaiah.
- ASSISTANT PROFESSOR NORDELL.
Bible Study, Why and How.
- PRESIDENT GEORGE S. BURROUGHS, of Wabash College.

PART II.—REGISTRATION OF STUDENTS IN ATTENDANCE, SPRING QUARTER, 1893.

DIRECTORY OF STUDENTS.

ABBREVIATIONS.

G	Graduate Dormitory.
D	Divinity Dormitory.
S	Science Hall.
Sn	Snell Hall.
Numerals	Numbers of rooms.

THE GRADUATE SCHOOL.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Bernard Carroll Alderson,	A. B. (W. Va. Univ.) 1889. Latin, Greek.	<i>Alderson, W. Va.</i>	6230 Princeton av.
Arthur Moseley Allen,	A. B. (Colgate University) 1892. English, History.	<i>Georgetown, N. Y.</i>	10 G.
William Laird Archibald,	A. B. (Acadia University) 1892. Semitic.	<i>Wolfville, N. S.</i>	77 D.
Eiji Asada,	D. B. (Garrett Biblical Institute) 1891. Semitic.	<i>Tokyo, Japan.</i>	26 G.
Mabel Banta,	A. B. (Ind. University) 1885, A. M. (Ibid.) 1891. Latin, Greek.	<i>Bloomington, Ind.</i>	Sn.
Storrs Barrows Barrett,	A. B. (University of Rochester) 1889. Geology, Astronomy.	<i>Rochester, N. Y.</i>	12 G.
Clifford Webster Barnes,	A. B. (Yale University) 1889. D. B. (Ibid.) 1892. Church History.	<i>Whittier, Cal.</i>	151 D.
Adolph Bernhard.	A. B. (Johns Hopkins University) 1889. Chemistry.	<i>Stone Creek, O.</i>	5422 Jackson av.
George Ricker Berry,	A. B. (Colby University) 1885, A. M. (Ibid.) 1888. Semitic.	<i>West Sumner, Me.</i>	113 D.
August G. Bjerneby,	A. B. (St. Olaf College) 1892. Mathematics, Biology.	<i>Grafton, N. Dak.</i>	5459 Drexel av.
Leonard Anderson Blue,	Ph. B. (Cornell College) 1892. History, Political Science.	<i>Belle Plaine, Ia.</i>	5709 Drexel av.
August Charles Bothe,	A. B. (Central Wesleyan College) 1889. Chemistry, Physics.	<i>St. Paul, Minn.</i>	6536 Wharton av.
John Adams Bownocker,	S. B. (Ohio State Univ.) 1889. Geology.	<i>Columbus, O.</i>	6038 Park End av.
Harriet C. Brainard,	Ph. B. (Cornell University) 1876. English.	<i>Chicago.</i>	1301 Wabash av.
Roeliff Morton Breckinridge,	Ph. B. (Cornell University) 1892. Political Economy, Sociology.	<i>Hamilton, Ont.</i>	28 G.
William Fisk Brewer,	A. B. (Iowa College) 1891. Latin, Greek.	<i>Grinnell, Ia.</i>	19 G.
John Law Bridge,	S. B. (Wesleyan Univ.) 1888. Chemistry.	<i>Hazardville, Conn.</i>	9 G.
Charles Lawrence Bristol,	S. B. (University City of N. Y.) 1883, S. M. (Ibid.) 1888. Biology.	<i>Ballston Spa, N. Y.</i>	290, 55th st.
Fanny Chamberlain Brown,	A. B. (Smith College) 1882, A. M. (Ibid.) 1885. Political Economy, History.	<i>Winchester.</i>	Sn.
Horace Lycurgus Burr,	S. B. (De Pauw University) 1890. English.	<i>New Castle, Ind.</i>	5 G.
Charles William Cabeen,	S. B. (University of Wis.) 1882, L. M. (Ibid.) 1883, A. M. (Harvard University) 1892. Germanic, Romance.	<i>Portage, Wis.</i>	Brookline Park.
Frederic Ives Carpenter,	A. B. (Harvard University) 1885. English Romance.	<i>Chicago.</i>	5515 Woodlawn av.

*In the list of subjects the *principal subject* is placed first.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Nancy Jennette Carpenter,	A. B. (Cornell College) 1885, A. M. (Ibid.) 1888. English History.	Missouri Valley, Mo.	Sn.
Ralph Charles Henry Catterall,	A. B. (Bucknell University) 1891, (Harvard University) 1892. History, Political Economy.	Watertown, Pa.	8 G.
Charles Oscar Chambers,	A. B. (University of Ind.) 1891.	Van Wert, O.	5628 Jackson av.
William Wilfred Chandler,	A. B. (Wm. Jewell College) 1891, A. M. (Ibid.) 1892. History, English.	Pleasant Hill, Mo.	5853 Wabash av.
Hannah Belle Clark,	A. B. (Smith College) 1887. Social Science, History.	Chicago.	5312 Madison av.
Louise H. Coburn,	A. B. (Colby University) 1877. English.	Skowhegan, Me.	5519 Madison av.
Jacon Elon Conner,	A. B. (Iowa State University) 1891. English.	Mt. Pleasant, Ia.	4003 Drexel boul.
William Bone Conover,	S. B. (Ill. College) 1891. Political Economy, Political Science.	Virginia.	240, 43d st.
Elizabeth Cooke,	S. B. (University of Mich.) 1893. Biology.	Chicago.	4340 Berkeley av.
Clarence K. Crawford,	A. B. (Centre College) 1884, A. M. (Ibid.) 1888. Semitic.	Danville, Ky.	
Susan Rhoda Cutler,	A. B. (Western Reserve University) 1885. Romance.	Talladega, Ala.	Sn.
Lydia Mitchell Dame,	A. B. (Boston University) 1880, A. M. (Ibid.) 1889. Latin.	Lynn, Mass.	Sn.
Anna Freeman Davies,	A. B. (Lake Forest University) 1889, A. M. (Ibid.) 1891. Sociology, Anthropology.	Lake Forest.	271, 55th st.
John Michael Davies,	S. B. (Lombard University) 1886, S. M. (Ibid.) 1889. English, Political Science.	Lombardville.	5810 Drexel av.
Walter Scott Davis,	A. B. (De Pauw University) 1889, A. M. (Cornell University) 1892. History.	North Salem, Ind.	
Theodore Elias DeButts.	Ph. B. (Cornell College) Chemistry, Physics.	Hartland, Iowa.	5630 Wentworth av.
E. Antoinette Ely,	A. B. (University of Cincinnati) 1887, A. M. (Ibid.) 1892. Latin, Sanskrit.	Cincinnati, O.	Sn.
Marion E. Ely,	A. B. (Wellesley College) 1889. English.	Chicago.	259, 49th st.
Frank Carman Ewart,	A. B. (Denison University) 1892. Latin, Greek.	Granville, O.	6038 Park End av.
Albert Chauncey Eycleshimer,	S. B. (University of Mich.) Vertebrate Embryology, Neurology.	Hastings, Mich.	5756 Monroe av.
Otto Knute Olaf Folin,	S. B. (University of Minn.) 1892. Chemistry.	Stillwater, Minn.	5726 Drexel av.
Frank Hamilton Fowler,	A. B. (Lombard University) 1890. Sanskrit, Comparative Philology.	Bradford.	10, 46th st.
Hamline Hurlburt Freer,	S. B. (Cornell College) 1869, S. M. (Ibid.) 1878, A. B. (Ibid.) 1880, A. M. (Ibid.) 1883, Political Economy.	Mount Vernon, Ia.	5448 Cornell av.
John William Froley,	S. B. (University of Mo.) 1888, M. S. (Ibid.) 1892. Astronomy, Mathematics.	Canton, Mo.	5630 Ingleside av.
Edgar Johnson Goodspeed,	A. B. (Denison University) 1890. Semitic, Ancient History.	Morgan Park.	32 G.
John Russell Gow,	A. B. (Brown University) 1877, D. B. (Newton Theol. Institution) 1882. Social Science, Anthropology.	Chicago.	275, 52d st.
Laura Churchill Grant,	A. B. (Vassar College) 1892. Mathematics, Political Economy.	St. Paul, Minn.	Sn.
Ellen B. Haire,	A. B. (University of Mich.) 1887. Germanic, English.	Chicago.	4327 Lake av.
James Eugene Hamilton,	A. B. (Brown University) 1883, D. B. (Baptist Union Theol. Seminary) 1884, A. M. (Brown University) 1886. Philosophy.	Goodwood, Ont.	730, 63d court.
Walter Scott Harley,	A. B. (Bucknell University) 1887, A. M. (Ibid.) 1890. Comparative Philology, Latin.	Germantown, Pa.	18 G.
Henry Rand Hatfield,	A. B. (Northwestern University) Political Economy, English.	Evanston.	11 G.
Oliver Perry Hay,	A. B. (Eureka College) 1870, Ph. D. (Indiana University) 1887. Biology.	Chicago.	175 W. Monroe St.
Edward Carey Hayes,	A. B. (Bates College) 1887, A. M. (Ibid.) 1890; D. B. (Cobb Div. School) 1891. Sociology, Philosophy, English.	Lewiston, Me.	21 G.
Emily Aiken Hayward,	A. B. (Antioch College) 1874, A. M. (Ibid.) 1879. English Philosophy.	Denver, Col.	Sn.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Napoleon Bonaparte Heller,	S. B. (University of Pa.) 1884. Mathematics, Astronomy.	<i>Philadelphia, Pa.</i>	24 G.
Belva Mary Herron,	L. B. (University of Mich.) 1889. Political Economy, Sociology.	<i>St. Louis, Mo.</i>	Sn.
Paul Llewellyn Hibbard,	S. B. (University of Neb.) Chemistry.	<i>York, Neb.</i>	401 57th st.
Cyrus Wilburn Hodgins,	A. M. (Earlham College) 1889. History, Political Economy.	<i>Richmond, Ind.</i>	29 Aldine square.
Cyrus Lauron Hooper,	Ph. B. (Indiana University) 1887, M. A. (Ibid.) 1888, Philosophy, English.		4301 Oakenwald ave.
Joseph Henry Howard,	A. B. (University of Ind.) 1888, A. M. (Ibid.) 1890. Latin.	<i>Indianapolis, Ind.</i>	127 D.
William Bashford Huff,	A. B. (University of Wis.) 1889. Mathematics, Physics.	<i>Boscobel, Wis.</i>	5802 Jackson av.
Lincoln Hulley,	A. B. (Bucknell University) 1888, A. B. (Har- vard University) 1889, A. M. (Bucknell University) 1891. Semitic, Philosophy.	<i>Philadelphia.</i>	15 G.
Elkanah Hulley,	A. B. (Bucknell University) 1892. Semitic.	<i>Chester, Pa.</i>	8 G.
John Irwin Hutchinson,	A. B. (Bates College) 1889. Mathematics, Astronomy.	<i>Chicago.</i>	528 East 46th st.
Grace Jackson,	A. B. (Wellesley College) 1891. Latin, Greek.	<i>Ft. Wayne, Ind.</i>	Sn.
Herbert Parlin Johnson,	A. B. (Harvard University) 1889, A. M. (Ibid.) 1890. Biology.	<i>Everett, Mass.</i>	5756 Monroe av.
Florence Nightingale Jones,	A. B. (Oberlin College) 1883, A. M. (State University of Neb.) 1891. Compar- ative Philology, Latin.	<i>Lincoln, Neb.</i>	Sn.
Laura Amelia Jones,	A. B. (Wellesley College) 1882, A. M. (Ibid.) 1891. Semitic, Ancient History.	<i>East Orange, N. J.</i>	Sn.
Elias William Kelly,	A. B. (Acadia Coll.) 1876, grad. Newton Theol. Institution, 1880. Philosophy, Comparative Religion, Social Science.	<i>Collins, N. B.</i>	5524 Ingleside av.
Paul Oscar Kern,	(Berlin University) Germany. Germanic, Romance.	<i>Chicago.</i>	5442 Monroe av.
Henry Barnard Kummel,	A. B. (Beloit College) 1889, A. M. (Harvard University) 1892. Geology.	<i>Milwaukee, Wis.</i>	29 G.
Agnes M. Lathe,	A. B. (Smith College) 1881. English.	<i>Worcester, Mass.</i>	Sn.
Orpha Euphemia Leavitt,	A. B. (Doane College) 1886. History, Political Science.	<i>Fox Lake, Wis.</i>	363 East 58th st.
Edwin Herbert Lewis,	A. B. (Alfred Univ.) 1887, Ph. D. (Syracuse Univ.) 1892. English, Philosophy.	<i>Chicago.</i>	78 D.
Frank Rattray Lillie,	A. B. (University of Toronto) 1891. Biology, Neurology.	<i>Toronto, Ont.</i>	5481 Kimbark av.
Henry Farrar Linscott,	A. B. (Bowdoin College) 1892. Latin, Greek.	<i>Chicago.</i>	304 Washington boul.
Caroline Shaw Maddocks,	A. B. (Wellesley College) 1892. English.	<i>Auburn, Me.</i>	16 Sn.
Hervey Foster Mallory,	A. B. (Colgate University) 1890. Semitic, Social Science.	<i>Aberdeen, So. Dak.</i>	74 D.
Elizabeth Helen Mathes,	L. B. (University of Minn.) 1892. History, Political Science.	<i>Camden Place, Minn.</i>	344, 57th st.
Halsey Hulburt Matteson,	A. B. (Oberlin College) 1889. Greek, Latin, Sanskrit.	<i>Seville, O.</i>	20 G.
Eloise Mayham,	A. B. (University of Mich.) 1890. Philosophy.	<i>Stamford, N. Y.</i>	5812 Drexel av.
Albert D. Mead,	A. B. (Middlebury College) A. M. (Brown University). Morphology, Neurology, Palæontology.	<i>Chicago.</i>	550, 55th st.
Merton Leland Miller,	A. B. (Colby University) 1890. Anthropology, History.	<i>Lowell, Mass.</i>	13 G.
Loren Douglas Milliman,	A. B. (University of Michigan) 1890. English, Philosophy.	<i>Lakeville, N. Y.</i>	7 G.
John Wilson Million,	A. B. (Wm. Jewell College) 1889, A. M. (Ibid.) 1891. Political Economy, History.	<i>Watson, Mo.</i>	5853 Wabash av.
Robert Edward Moritz,	S. B. (Hastings College) Mathematics, Physics, Astronomy.	<i>Prosser, Neb.</i>	5490 Monroe av.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
George Edmund Morphy,	A. B. (University of Toronto) 1885; D. B. (Morgan Park Theol. Seminary) 1890. Sociology.	Colorado City, Col.	28 G.
Otto Mühlhausen,	Ph. D. (Zurich University). Chemistry.	Stuttgart, Germany.	25 G.
Charles B. Newby,	S. B. (Earlham College) 1889. Chemistry, Philosophy.	Converse, Ind.	6 G.
John Eldredge Northrup,	A. B. (Drake University) 1891. Political Economy.	Melbourne, Ia.	5709 Drexel av.
William Bishop Owen,	A. B. (Denison University) 1887, D. B. (Bap. Union Theological Seminary) 1891. Comparative Philology, Philosophy, Greek.	Chicago.	5475 Kimbark av.
Charles Emerson Peet,	S. B. (University of Wis.) 1892. Geology.	Avon.	29 G.
Sarah Frances Pellett,	A. B. (Smith College) 1882, A. M. (Cornell Univ.) 1891. Latin, Sanskrit, Greek.	Binghamton, N. Y.	Sn.
John William Perrin,	Ph. B. (Ill. Wesleyan University) 1887, A. M. (Wahash College) 1889. History, Philosophy.	Chicago.	5835 Drexel av.
Charles Hiram Perrine,	Ph. B. (Northwestern University) 1892. Chemistry.	Chicago.	3410 Rhodes av.
Cora Belle Perrine,	A. B. (Wellesley College) 1891. Political Economy, Romance, Social Science.	Centralia.	Sn.
Alice Edwards Pratt,	Ph. B. (University of Cal.) 1881. English.	Saint Helena, Cal.	Sn.
Wayland Fuller Reynolds,	A. M. (University of W. Va.) 1890. Philosophy, History.	Morgantown, W. Va.	6230 Princeton av.
Myra Reynolds,	A. B. (Vassar College) 1880, A. M. (Ibid.) 1892. English, Philosophy.	Pueblo, Col.	Sn.
Elbert William Rockwood,	S. B. (Amherst College) 1884. Chemistry.	Iowa City, Ia.	17 G.
Arthur Kenyon Rogers,	A. B. (Colby University) 1891. Philosophy, New Testament Literature.	Waterville, Me.	2 G.
William Rollins,	A. B. (University of Mont.), D. B. (Garrett Bih. Inst.), D. D. (Willamette University). Semitic.	Evanston.	77 D.
Harry Luman Russell,	S. B. (University of Wis.) 1888, S. M. (Ibid.) 1890, Ph. D. (Johns Hopkins University) 1892. Bacteriology.	Poynette, Wis.	5425 Cottage Grove av.
Cora Louise Scofield,	A. B. (Vassar College) 1890. History.	Washington, Ia.	Sn.
Avedis Bedros Selian,	A. B. (Central Turkey College) 1888, Ag. B. (University of Vt.) 1892. Political Economy, Philosophy, History.	Caesarea-Talas, Asia Minor.	82 D.
James Grundy Sinclair,	M. D. (Bennett Med. College) 1883; A. B. (Northwestern University) 1892. Political Economy, Philosophy.	Chicago.	4101 Grand boul.
Herbert Ellsworth Slaughter,	A. B. (Colgate University) 1883, A. M. (Ibid.) 1886. Mathematics, Astronomy.	Englewood.	440, 64th st.
Warren Rufus Smith.	A. B. (Bowdoin College) Chemistry.	Litchfield Corners, Me.	9 G.
James Archy Smith,	Ph. B. (Denison University) 1889, A. M. (Ibid.) 1892. Mathematics.	Mercer's Bottom, W. Va.	30 G.
Theodoro Geraldo Soares,	A. B. (University of Minn.) 1891, A. M. (Ibid.) 1892. Ancient History, Semitic.	Minneapolis, Minn.	27 G.
Charles Worthen Spencer,	A. B. (Colby University) 1890. Social Science, History.	Waterville, Me.	13 G.
Harriet Stone,	A. B. (Wellesley College) 1889. Chemistry.	Chicago.	3352 Indiana av.
Frederick Arthur Stowe,	Ph. B. (Iowa State University) 1892. Political Economy.	Harvey.	Harvey.
Samuel Ellis Swartz,	A. B. (Denison University) 1879. Chemistry, Physics.	Newark, O.	5485 Monroe av.
Blanche Swingley,	A. B. (Cornell College) 1890. English, Latin, History.	Port Byron.	Sn.
Amanda Seeper Taylor,	A. B. (Simpson College) 1884, A. M. (Ibid.) 1887. Biology.	Peru, Neb.	552 East 55th st.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
William Edgar Taylor,	A. B. (Clinton College) 1879, A. M. (Ibid.) 1885, S. M. (Purdue University) 1892. Geology, Palaeontology.	<i>Peru, Neb.</i>	552 East 55th st.
William G. Taylor,	A. B. (Harvard College) 1880, LL.B. (Ibid.) 1883. Political Economy.	<i>Mt. Vernon, Ia.</i>	5487 Monroe av.
Mary Sybria Tenney,	L. B. (University of Wis.) 1887. History, Political Science.	<i>Chicago.</i>	3120 Calumet av.
Charles Sproull Thompson,	A. B. (Harvard University) 1887. Political Economy.	<i>Chicago.</i>	1601 Prairie av.
James Westfall Thompson,	A. B. (Rutgers College) 1892. History, Political Science.	<i>New Brunswick, N. J.</i>	31 G.
Clarence Almon Torrey,	Ph. B. (Cornell College) 1890. Mathematics, Astronomy.	<i>Manchester, Ia.</i>	17 G.
George Tunell,	S. B. (University of Minn.) 1892. Political Science, Political Economy.	<i>Albert Lea, Minn.</i>	4 G.
Mary E. G. Urch,	A. B. (Albion College) 1893. Sociology, Germanic, Biblical Literature.	<i>Jackson, Mich.</i>	
Thomas Wood Valentine,	A. B. (Trinity College) 1892. Latin, Sanskrit, Greek.	<i>Hendersonville, N. C.</i>	25 G.
Thorstein B. Veblen,	A. B. (Carleton College) 1880, Ph. D. (Yale University) 1884. Political Economy.	<i>Chicago.</i>	22 G.
George E. Vincent,	A. B. (Yale University) 1885. Sociology, History.	<i>Buffalo, N. Y.</i>	Cornell av. Hotel.
George Burnside Waldron,	A. B. (Oberlin College) 1884. Sociology, Political Economy.	<i>Three Oaks, Mich.</i>	346, 56th st.
Elizabeth Wallace,	S. B. (Wellesley College) 1886. History, Political Science.	<i>Minneapolis, Minn.</i>	Sn.
Madeleine Wallin,	L. B. (University of Minn.) 1892. Political Science, History.	<i>Fargo, N. Dak.</i>	Sn.
Richard Waterman, Jr.,	S. B. (Mass. Institute Technology) 1892. History of International Exhibitions.	<i>Chicago.</i>	14 G.
William Clarence Webster,	A. B. (Albion College) 1889. History, Political Science, Political Economy.	<i>Mt. Vernon, Ia.</i>	4608 Lake av.
Jeanette Cora Welch,	A. B. (Wellesley College) 1889. Biology.	<i>Sparta, Mich.</i>	Sn.
Chauncey Graham Wells.	A. M. (Wake Forest College) 1889. English.	<i>Warsaw, N. C.</i>	16 G.
John Byrd Whaley,	A. B. (Western Maryland College) 1889. Semitic	<i>Plymouth, N. C.</i>	16 G.
William Craig Wilcox,	A. B. (University of Rochester) 1888, A. M. (Ibid.) 1891. History, Political Economy, Political Science.	<i>Rochester, N. Y.</i>	12 G.
Edith Wilkinson,	A. B. (Wellesley College) 1888. History.	<i>Chicago.</i>	260, 51st st.
Maud Wilkinson,	A. B. (Wellesley College) 1889. English.	<i>Tarrytown, N. Y.</i>	5520 Madison av.
Herbert Lockwood Willett.	A. B., A. M. (Bethany College) 1886. Semitic.	<i>Dayton.</i>	5812 Drexel av.
Wardner Williams,	Ph. B. (Alfred Univ.) 1880, Ph. M. (Ibid.) 1883, Ph. D. (Ibid.) 1890. Sociology.	<i>Chicago.</i>	5812 Drexel av.
Alfred Williams,	Ph. B. (Alfred University) 1890, Ph. M. (Ibid.) 1891. Sociology.	<i>Chicago.</i>	5812 Drexel av.
Frank North Williams,	A. B. (Oberlin College) 1892. Sociology, Political Economy.	<i>Oberlin, O.</i>	5484 Monroe av.
Mary Frances Winston,	A. B. (University of Wis.) 1889. Mathematics, Physics.	<i>Chicago.</i>	363 East 58th st.
Ambrose Paré Winston,	A. B. (University of Wis.) 1887. Political Economy, History.	<i>Chicago.</i>	363 East 58th st.
Esther Witkowsky,	A. B. (Vassar College) 1886. Germanic, Romance.	<i>Chicago.</i>	2802 Prairie av.
Irving Francis Wood,	A. B. (Hamilton College) 1885, A. M. (Ibid.) 1888, B. D. (Yale University) 1892. New Testament, Philosophy, Old Testament Literature.	<i>Chicago.</i>	Frederick court.
Robert Williams Wood,	A. B. (Harvard University) 1891. Chemistry.	<i>Chicago.</i>	5237 Jefferson av.

NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.
John Burrows Brown,	A. B. (Knox College) 1886, A. M. (Ibid.) 1889. Roman Law. Constitutional Law. International Law.	<i>Roseville, Ill.</i>
Edward Payson Drew,	A. B. (Yale University) 1891 Semitic. Philosophy.	<i>313 N. 9th st., St. Joseph, Mo.</i>
C. M. Ellinwood,	Ph. B. (Northwestern University) 1876, Ph. M. (Ibid.). Chemistry.	<i>University Place, Neb.</i>
James Walter Fertig,	A. B. (University of Nashville) 1890, A. M. (University of Nashville) 1891. History, Political Economy, Anthropology.	<i>30 Academy Place, Nashville, Tenn.</i>
Daniel Hull,	A. B. (Upper Canada College) Mathematics.	<i>U. C. College, Toronto, Ont.</i>
Jessie L. Jones,	A. B. (Doane College) 1884. German.	<i>1639 L. St., Lincoln, Neb.</i>
Alexander Charles McKay,	A. B. (University of Toronto) 1885. Mathematics, Astronomy, Physics.	<i>57 Prince Arthur av., Toronto, Ont.</i>
William Parker McKee,	A. B. (Wabash College) 1883, D. B. (Morgan Park Theol. Sem.) 1887. Ancient History.	<i>522, 12th av. S. E., Minneapolis, Minn.</i>
William H. Smith,	A. B. (Amherst College) 1890. Comparative Philology.	<i>Lahainaluna Maui, H. I.</i>
John August Udden,	A. B. (Augustana College) 1881. A. M. (Ibid.) 1889. Geology.	<i>1000, 38th st., Rock Island, Ill.</i>
Eugenia Winston,	A. B. (University of Wis.) 1890. History.	<i>363 E. 58th st., Chicago.</i>
Francis A. Wood,	A. B. (Northwestern University) 1880, A. M. (Ibid.) 1883. Germanic.	<i>Quincy, Ill.</i>

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
Ira Wilder Allen, Jr.,	A. B., A. M. (Williams College).	<i>Englewood.</i>	612 Maple st., Englewood.
Charles William Allen,	A. B. (Bucknell University) 1892.	<i>Seranton, Pa.</i>	45 D.
Stephen Allen Atteberry,	A. B. (La Grange College) 1891.	<i>La Grange, Mo.</i>	137 D.
William Louis Blanchard,	A. B. (University of Dakota) 1889.	<i>Darlington, Wis.</i>	125 D.
Everett Anthony Bowen,	A. B. (Brown University) 1892.	<i>Providence, R. I.</i>	80 D.
Charles William Brinstad,	A. B. (University of So. Dakota) 1888.	<i>No. La Crosse, Wis.</i>	125 D.
Marcus Julian Brown,	A. B. (Williams College) 1891.	<i>North Adams, Mass.</i>	1030 Harrison st.
William Lewis Burdick,	Ph. B. (Alfred University) 1890, B. D. (Alfred University) 1892.	<i>Hebron, Pa.</i>	638, 56th st.
Willard De Lure Burdick,	A. B. (Milton College) 1890.	<i>Milton, Wis.</i>	5455 Monroe av.
James Wallace Cabeen,	A. B. (Ripon College) 1888.	<i>Brookline Park.</i>	Brookline Park.
Carl Delos Case,	A. B. (Colgate University) 1891.	<i>St. Anthony Pk., Minn.</i>	109 D.
Judson Clarke Chapin,	A. B. (University of Rochester) 1889.	<i>Chicago,</i>	3816 Rhodes av.
David Burdett Coon,	S. M. (Milton College) 1891.	<i>New Auburn, Minn.</i>	40 D.
John Marion Criswell,	A. B. (Denison University) 1892.	<i>South Kirkland, O.</i>	138 D.
Ulysses Sherman Davis,	A. B. (Denison University) 1892.	<i>Youngstown, O.</i>	110 D.
Friend Taylor Dye,	A. B. (Marietta College) 1891.	<i>McClain, Ill.</i>	62 D.
John Alex Eakin,	A. B. (Beloit College).	<i>Elgin.</i>	55 D.
Robert Elder,	A. B. (College of City of N. Y.).	<i>Albany, N. Y.</i>	33 D.
Francis R. Enslin, Jr.,	D. B. (Newton Theological Sem.) 1892.	<i>Somerville, Mass.</i>	112 D.
Marion Danoby Eubank,	A. B. (Wm. Jewell College), M. D. (Marion Sims College of Medicine).	<i>St. Louis, Mo.</i>	5546 Ingleside av.
Henry Lexington Everett,	A. B. (Brown University) 1886, A. M. (Brown and Harvard) 1889.	<i>Worcester, Mass.</i>	6121 Stewart av.
Henry Alfred Fisk,	L. B. (University of Cal.) 1891.	<i>Chenoa, Ill.</i>	43 D.
Edward Frantz,	A. B. (Ohio Normal University) 1890.	<i>Chicago.</i>	5423 Monroe av.
Eliza Jane Gerry,	A. M. (Genesee College)	<i>Chicago.</i>	Sn.
Alfred Ebenezer Goodman,	A. B. (Ottawa University) 1891.	<i>Antrim, Kans.</i>	132 D.
John Hiram Grant,	A. B. (Amherst College) 1892.	<i>Goldsborough, N. C.</i>	90 D.
Edwin Milton Griffin,	A. B. (Cornell University) 1890.	<i>Buffalo, N. Y.</i>	70 D.
William Chase Halbert,	A. B. (La Grange College) 1892.	<i>Plymouth.</i>	66 D.
Howland Hanson,	A. B. (Princeton College) 1892.	<i>Savannah.</i>	65 D.
Charles Asa Hemenway,	A. B. (Kalamazoo College) 1892.	<i>Kalamazoo, Mich.</i>	5556 Princeton av.
Jullien Avery Herrick,	S. B. (La Grange College) 1892.	<i>La Grange, Mo.</i>	79 D.
Thomas Western Heyland,	A. B. (University of No. Dak.) 1891.	<i>Pavilion.</i>	124 D.
George Perry Holcomb,	A. B. (University of Rochester) 1889.	<i>Rochester, N. Y.</i>	75 D.
Henry Howard,	A. B. (Trinity College, Conn.) 1891.	<i>Chicago.</i>	5548 Ingleside av.
Edwin Bruce Kinney,	A. B. (Denison University) 1892.	<i>Norwalk, O.</i>	121 D.
Frank Kurtz,	A. B. (Kalamazoo College) 1892.	<i>Genesee, Mich.</i>	51 D.
Charles Augustus Lemon,	A. B. (Colgate University) 1892.	<i>Attica, N. Y.</i>	142 D.
John Moses Lockhart,	L. B. (Denison University) 1892.	<i>Reedy Ripple, W. Va.</i>	Harvey.
Willard Carey Mac Naul,	A. B. (Bucknell University) 1890.	<i>New Haven, Conn.</i>	69 D.
Leonidas I. Mercer,	L. B. (Bethany College) 1890.	<i>Bowling Green, O.</i>	140 D.
John Freeman Mills,	A. B. (Toronto University) 1890.	<i>Sparta, Ont.</i>	129 D.
Arthur Freeman Newcomb,	A. B. (Acadia University) 1892.	<i>Wolfville, N. S.</i>	76 D.
Ernest Alfonzo Orr,	A. B. (Mt. Morris College).	<i>Plattsburg, Mo.</i>	5812 Drexel av.
Loran David Osborn,	A. B. (University of Michigan) 1891.	<i>Grand Rapids, Mich.</i>	65 D.
Charles Lewis Payne,	A. B. (Denison University) 1888.	<i>Morgan Park.</i>	Brookline Park.

NAME.	DEGREE AND PLACE.	HOME ADDRESS.	PRESENT ADDRESS.
William Angus Peterson,	D. B. (Morgan Park Theological Sem.) 1890.	<i>Chicago.</i>	54 D.
Daniel Thomas Phillips,	(Graduate Haverford College, Wales).	<i>Chicago.</i>	7031 Addison av.
Milo B. Price,	A. B. (Denison University) 1892.	<i>Newark, O.</i>	121 D.
Willis Preston Price,	S. B. (Gillsburg Collegiate Inst.) 1892.	<i>King, Miss.</i>	141 D.
John Thomas Proctor,	A. B. (Wm. Jewell College, Mo.) 1891.	<i>Philadelphia, Mo.</i>	5853 Wabash av.
Jesse Cassander Rhodes,	A. B. (Franklin College) 1892.	<i>Rensselaer, Ind.</i>	98 D.
Aaron Wallace Runyan,	A. B. (Denison University) 1878. D. B. (Newton Theological Seminary) 1881.	<i>San Francisco, Cal.</i>	6423 Honore st.
Otto Joel Scovell,	A. B. (Wisconsin State University) 1881.	<i>Madison, Wis.</i>	140 D.
George Bly Shaw,	A. B. (Milton College) 1891.	<i>Milton, Wis.</i>	42 D.
John Gabriel Speicher,	M. D. (University of Iowa) 1883.	<i>Hudson, Ia.</i>	8313 Superior av.
Ernest Edward Starkweather,	A. B. (Ottawa University) 1891.	<i>Clay Center, Kan.</i>	56 D.
Almon Odell Stevens,	A. B. (Bucknell University) 1891.	<i>Hop Bottom, Pa.</i>	136 D.
Martin Curtis Stonecipher,	A. B. (Shurtleff College) 1887. B. D. (Newton Theological Institute) 1891.	<i>Sun Prairie, Wis.</i>	49 D.
Mary Kimbrough Stoner,	S. B. (Bethel College) 1886.	<i>Chicago.</i>	373 Bowen av.
Sidney Cain Tapp,	Ph. B. (Furman University) 1892.	<i>Roxboro, N. C.</i>	50 D.
James Jay Thom,	D. B. (Rochester Theological Sem.) 1892.	<i>Glasgow, Scotland.</i>	39 D.
Theodore Julian Van Horne,	A. B. (Milton College) 1888.	<i>Welton, Ia.</i>	60 D.
William Albergince Waldo,	Th. B. (Morgan Park Theological Sem.)	<i>Drayton, N. Dak.</i>	129 D.
Alfred Wesley Wishart,	A. B. (Colgate University) 1889.	<i>Brooklyn, N. Y.</i>	5425 Cottage Grove av.
Joel Franklin Wood,	S. B. (Franklin College) 1890.	<i>Smithfield, O.</i>	92 D.
Andrew Robert Elmer Wyant,	A. B. (Bucknell University) 1892.	<i>Adrian, Pa.</i>	136 D.
Emanuel Sprangle Young,	A. B. (Mt. Morris College) (Morgan Park Theological Seminary).	<i>Mt. Morris.</i>	74 D.

ENGLISH DEPARTMENT.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
R. Bailey, - - -	- - - - -	<i>Barrington, Ill.</i>	Barrington.
Fred Berry,	Morgan Park Theological Seminary.	<i>Pullman.</i>	Pullman.
Frank Printz Bixon,	Denison University.	<i>New York, N. Y.</i>	157 D.
James Blake, - - -	- - - - -	<i>Chicago.</i>	85 D.
J. H. Blake, - - -	- - - - -	<i>Chicago.</i>	85 D.
Leslie Bower,	Morgan Park Theological Seminary.	<i>Grand Rapids, Mich.</i>	5546 Ingleside av.
Melbourne P. Boynton,	California College, Oakland, Cal.	<i>San Jose, Cal.</i>	5709 Drexel av.
Harriet Wells Boynton,	- - - - -	<i>San Jose, Cal.</i>	5709 Drexel av.
Thomas Broomfield,	The Bible Institute, Chicago.	<i>Good Thunder, Minn.</i>	152 D.
Robert Carroll,	Private School, Zenorville, Ia.	<i>Boone, Ia.</i>	5743 Kimbark av.
Agnes Fisher Carroll,	Manning School of Oratory, Minneapolis.	<i>Spencer, Ia.</i>	5743 Kimbark av.
John David Collins,	Indiana State Normal School.	<i>Bainbridge, Ind.</i>	88 D.
Frederick George Davies,	Nebraska City College.	<i>Somonauk.</i>	390, 57th st.
Joseph Croft Dent,	The Bible Institute, Chicago.	<i>Maplewood,</i>	Maplewood.
Walter Levy Dewey, -	- - - - -	<i>Willoughby, O.</i>	52 D.
John Waterman Elliott,	Morgan Park Theological Seminary.	<i>Hunter, Ill.</i>	Riverdale.
William Anderson Elliott, -	- - - - -	<i>Argentine, Kan.</i>	143 D.
Christiana H. Ericson, -	- - - - -	<i>Morgan Park, Ill.</i>	Morgan Park.
Thomas Silas Evans,	McMaster University, Toronto.	<i>Swedryheiv, So. Wales, Eng.</i>	84 D.
James Washington Falls,	Morgan Park Theological Seminary.	<i>Milton, Pa.</i>	135 D.
John Elijah Ford,	Beloit College.	<i>Chicago.</i>	2715 Dearborn st.
John Victor Fradenburg,	Woodstock College.	<i>Upper Ontario.</i>	99 D.
Thomas John Giblett,	East London Institute, London, Eng.	<i>Marley.</i>	152 D.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Theophilus Anthony Gill,	Princeton College	<i>West Park-on-the Hudson, N. Y.</i>	41 D.
Robert Gray,	Morgan Park Theological Seminary.	<i>Chicago.</i>	5544 Ingleside av.
Benjamin Franklin Griffith	- - - - -	<i>Chicago.</i>	5606 Ellis av.
Jasper Harris,	State Normal College, Ala.	<i>Chicago.</i>	72 D.
Elmer Elsworth Hatch,	California College.	<i>Lafayette, Cal.</i>	146 D.
John Frederick Henry,	Olivet College.	<i>Au Sable, Mich.</i>	139 D.
Charles Boyd Hole,	Morgan Park Theological Seminary.	<i>Fairbury, Neb.</i>	113 D.
John L. Hoyt, - - -	- - - - -	<i>Sennet, N. Y.</i>	11 D.
Hugh Henry Hurley,	Woodstock College, Ont.	<i>Charter, Man.</i>	44 D.
Henry Farrar Jones, -	- - - - -	<i>Bendena, Kan.</i>	143 D.
Elisha Moore Lake,	Bucknell University.	<i>Elmira, N. Y.</i>	141 D.
George Lord,	Morgan Park Theological Seminary.	<i>Custer Park.</i>	53 D.
Finley I. Lucas, - - -	- - - - -	<i>Independence, Mo.</i>	327 State st.
Ephraim Harvey McDonald,	Bucknell University.	<i>Detroit, Mich.</i>	57 D.
Allan McEwan,	University of Michigan.	<i>Bay City, Mich.</i>	5606 Ellis av.
Donald Hugh McGillivray,	Morgan Park Theological Seminary.	<i>Wasco.</i>	48 D.
George McGinnis,	Morgan Park Theological Seminary.	<i>Sandwich.</i>	94 D.
Benjamin F. Martin, - -	- - - - -	<i>Berwyn, Ill.</i>	Berwyn.
David Vilhelm Myhrman,	(Baptist Theological Seminary, Sweden).	<i>Stockholm, Sweden.</i>	73 D.
Walter Hammond Nichols,	University of Michigan.	<i>Ann Arbor, Mich.</i>	5802 Jackson av.
Ettie B. Nichols,	University of Michigan.	<i>Ann Arbor, Mich.</i>	5802 Jackson av.
John Eubart Noftsinger,	Morgan Park Theological Seminary.	<i>Lithia, Va.</i>	144 D.
Eric Johan Nordlander,	Morgan Park Theological Seminary.	<i>Roseland.</i>	Roseland.
Ida Orr,	Mt. Morris College.	<i>Chicago.</i>	5812 Drexel av.
David Livingstone Parker,	Acadia College, N. S.	<i>Wolfville, N. S.</i>	64 D.
Joseph Paul, - - - -	- - - - -	<i>Omaha, Neb.</i>	81 D.
W. Pearce, - - - -	- - - - -	<i>Harvey.</i>	Harvey.
William George Pearce,	Morgan Park Theological Seminary.	<i>Chicago.</i>	618 W. Madison st.
Ansel Howard Post,	Morgan Park Theological Seminary.	<i>Bradford, Ill.</i>	130 D.
Charles Wirt Robinson,	Cook Academy.	<i>North Hector, N. Y.</i>	47 D.
John Samuelson,	(Willmar College, Minn.) (Morgan Park Theological Seminary).	<i>Austin.</i>	Austin.
James Franklin Sanders,	Furman University, S. C.	<i>Saluda, S. C.</i>	93 D.
Thaddeus Loring Smith,	Moody's Bible Institute.	<i>Millburn.</i>	6547 Lexington av.
Abbie T. Speicher, - - -	- - - - -	<i>Hudson, Ia.</i>	8313 Superior av.
John Henry Stewart,	Morgan Park Theological Seminary.	<i>Newcastle-on-Tyne, Eng.</i>	145 D.
Edwin Stanton Stucker,	Morgan Park Theological Seminary, Ottawa University.	<i>Ottawa, Kans.</i>	144 D.
Fuller Swift, - - - -	- - - - -	<i>Chicago.</i>	302, 41st st.
Walter William Theobald,	Morgan Park Theological Seminary.	<i>Wayne, Neb.</i>	Brookline Park.
Thora Thompson,	Pillsbury Academy	<i>Monterideo, Minn.</i>	5475 Kimbark av.
Charles Frank Vreeland,	Michigan State Normal School.	<i>Coopersville, Mich.</i>	139 D.
Horace Jonathan Wheeler	- - - - -	<i>Atlanta.</i>	120 D.
William Robert Wood,	University of Colorado.	<i>Chicago.</i>	6231 Sheridan av.

DANISH-NORWEGIAN DEPARTMENT.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Hans Martin Anderson,	Morgan Park Theological Seminary.	<i>Arendal, Norway.</i>	118 D.
Anders Larsen Brandsmark,	Morgan Park Theological Seminary.	<i>Slagelse, Denmark.</i>	87 D.
Christen Petersen Grarup,	Morgan Park Theological Seminary.	<i>N. Snede, Denmark.</i>	87 D.
Ove Laurits Høien.	Morgan Park Theological Seminary.	<i>Minneapolis, Minn.</i>	118 D.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Edward Peter Johnson,	Morgan Park Theological Seminary.	<i>Minneapolis, Minn.</i>	119 D.
Nels R. Larsen,	Morgan Park Theological Seminary.	<i>Morgan Park.</i>	58 D.
Nels Sorenson Laudahl,	Morgan Park Theological Seminary.	<i>Eureka, Wis.</i>	58 D.
Andrew Anderson Ohrn,	Morgan Park Theological Seminary.	<i>Bergen, Norway.</i>	118 D.
Tellef Christian Pedersen,	Morgan Park Theological Seminary.	<i>Arendal, Norway.</i>	119 D.

SWEDISH DEPARTMENT.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Carl Anderson,	Morgan Park Theological Seminary.	<i>Cadillac, Mich.</i>	96 D.
Gustaf Robert Anderson,	Morgan Park Theological Seminary.	<i>St. Paul, Minn.</i>	114 D.
Magnus Berglund,	Morgan Park Theological Seminary.	<i>DeKalb.</i>	38 D.
Herman Bergman,	Morgan Park Theological Seminary.	<i>Muskegon, Mich.</i>	38 D.
Martin Carlson,	Morgan Park Theological Seminary.	<i>Humboldt Park.</i>	102 D.
Carl Hasselblad,	Morgan Park Theological Seminary.	<i>Grantsburg, Wis.</i>	78 D.
John Heden,	Morgan Park Theological Seminary.	<i>Daggett, Mich.</i>	839, 59th St., Englewood,
Johan Peter Jakobson,	Morgan Park Theological Seminary.	<i>Duluth, Minn.</i>	115 D.
Magnus Johnson,	Morgan Park Theological Seminary.	<i>St. Paul, Minn.</i>	107 D.
Antone Oliva Lawrence,	Morgan Park Theological Seminary.	<i>Omaha, Neb.</i>	111 D.
Fredrick Linden,	Morgan Park Theological Seminary.	<i>Ogema, Wis.</i>	Park Manor.
Edward Sigurd Lindblad,	Morgan Park Theological Seminary.	<i>Oakland, Neb.</i>	115 D.
Olof Lindholm,	Morgan Park Theological Seminary.	<i>Gowrie, Ia.</i>	67 D.
Sven August Nelson,	Morgan Park Theological Seminary.	<i>Kiron, Ia.</i>	97 D.
Carl Anton Nelson,	Morgan Park Theological Seminary.	<i>Chicago.</i>	97 D.
John August Roos,	Public Schools.	<i>St. Paul, Minn.</i>	149 D.
Johan Rocén,	Morgan Park Theological Seminary.	<i>Chicago.</i>	149 D.
Carl Axel Salquist,	Morgan Park Theological Seminary.	<i>Lake City, Minn.</i>	107 D.
Carl Gustaf Sten,	Morgan Park Theological Seminary.	<i>Kansas City, Kans.</i>	78 D.
Carl Wilhelm Sundmark,	Morgan Park Theological Seminary.	<i>Chicago.</i>	101 D.
Olof Taffin,	Morgan Park Theological Seminary.	<i>La Porte, Ind.</i>	67 D.
Carl Fridolf Wiking,	Morgan Park Theological Seminary.	<i>Evansston.</i>	114 D.

THE UNIVERSITY COLLEGES.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Minnie Frances Babcock,	Lake Erie Seminary.	<i>Painesville, O.</i>	5324 Madison av.
George A. Bale,	- - - - -	<i>Gig Harbor, Wash.</i>	5434 Washington av.
Warren Palmer Behan,	Beloit College.	<i>Chicago.</i>	448 Bowen av.
Frank Hamlin Blackmarr,	Allegheny College.	<i>Jamestown, N. Y.</i>	613 Chestnut st.. Englewood.
Jesse Dismukes Burks,	University of California.	<i>Los Angeles, Cal.</i>	58th st. & Jackson av.
Antoinette Cary,	Wellesley College.	<i>Elyria, O.</i>	Sn.
Mary Lucretia Daniels,	Vassar College.	<i>New Haven, Conn.</i>	Sn.
Phillip Jackson Dickerson,	Bucknell University, Pa.	<i>Lula, Va.</i>	317, 61st st.
Hallie Centennial Ellis,	LL.B. (University of Mich.) 1890. LL.M. (Ibid) 1892.	<i>Freeport.</i>	36 D.
John G. Fryer,	- - - - -	<i>Providence, R. I.</i>	29 Dr.
William Steen Gaud,	Illinois College.	<i>Chicago.</i>	5802 Jackson av.
Rizpah Marguerite Gilbert,	Cornell University.	<i>Le Roy, N. Y.</i>	Sn.
Alvan C. Halphide,	The Old University of Chicago.	<i>Chicago.</i>	3410 Rhodes av.
Hermann Valentine von Holst,	Gymnasium at Freiburg-in-Baden, Germany.	<i>Chicago.</i>	4333 Forestville av.
Robert Franklin Hoxie,	Cornell University.	<i>Yorkville, N. Y.</i>	3821 Aldine place.
John Franklin Hunter,	University of Toronto.	<i>Minto, N. Dak.</i>	118 D.
Louis Bogart Joralmon,	Lake Forest University.	<i>Norwood Park.</i>	92 D.
Jacob Adolph Loeb,	The Royal Gymnasium, Wiesbaden, Germany.	<i>Chicago.</i>	3251 Vernon av.
Herbert Manchester,	Lake Forest University.	<i>Gray's Lake.</i>	5810 Drexel av.
Mary Louise Marot,	Wellesley College.	<i>Dayton, O.</i>	Sn.
Harriet Towle Perrin,	- - - - -	<i>Chicago.</i>	5647 Kimbark av.
Earl V. Pierce,	Sioux Falls University.	<i>Ipswich, S. D.</i>	60th and Wharton av.
William Howard Prescott,	- - - - -	<i>Cleveland, O.</i>	5541 Cottage Grove av.
Clarke Edward Ridpath,	De Pauw University, A. B., 1891, A. M., 1892.	<i>Greencastle, Ind.</i>	3 G.
Howard Roosa,	Yale University.	<i>Rosendale, N. Y.</i>	24 Dr.
William Rullkoetter,	Hastings College, Neb.	<i>Hastings, Neb.</i>	56th st. & Drexel av.
Robert Alexander Joseph Shaw,	University of Mich.	<i>Chicago.</i>	632 Madison st.
Edward Octavius Sisson,	Kansas State Agricultural College.	<i>Newcastle-on-Tyne, England.</i>	5442 Drexel av.
Edward L. Tupper,	Rochester University.	<i>Raleigh, N. C.</i>	5548 Ingleside av.
Florence Mercy Walker,	Ingham University, N. Y.	<i>Le Roy, N. Y.</i>	Sn.
Andrew Robinson Whitson,	University of Wis.	<i>Northfield, Minn.</i>	113 D.
Henry Parker Willis,	Western Reserve University.	<i>Racine, Wis.</i>	5551 Lexington av.
Clarence Hubert Woods,	Colorado College.	<i>Colorado Springs, Col.</i>	88 D.

THE ACADEMIC COLLEGES.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Henry Magee Adkinson,	Englewood High School.	<i>Chicago.</i>	5552 Wentworth av.
Harriet Coe Agcrtcr,	- - - - -	<i>Lima, O.</i>	Morgan Park.
Oswald James Arnold,	No. Division High School.	<i>Chicago.</i>	105 D.
Wallace Walter Atwood,	W. Division High School.	<i>Chicago.</i>	2631 Wabash av.
Gustave Wilhelm Axelson,	Morgan Park Academy.	<i>Morgan Park.</i>	3 Dr.
Cecil V. Bachelld,	Chicago Academy.	<i>Chicago.</i>	18 Gilpin place.
Mary Brooks Baird,	Southern Kansas Acad., Eureka, Kans.	<i>Eureka, Kans.</i>	4643 Lake av.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Ralph Barker,	Sisson's School.	Englewood.	6419 Wright st.
Lu Eaves Barrett,	Henderson High School.	Henderson, Ky.	Sn.
Maria Beatty,	Lake High School.	Chicago.	4444 Emerald av.
Glenrose M. Bell,	Ferry Hall, Lake Forest.	Chicago.	5810 Washington av.
Lucy Lovejoy Bennett,	Evanston High School.	Evanston.	5830 Rosalie court.
Charles King Bliss,	Morgan Park Academy.	Longwood.	Longwood.
Rose Marie Boomer,	University of Mich.	Chicago.	353 East 46th st.
Jennie Kathryn Boomer,	University of Mich.	Chicago.	353 East 46th st.
Berkeley Brandt,	- - - - -	Chicago.	1316 Michigan av.
Carolyn Louise Brown,	Elgin High School.	Elgin.	222 Marshfield av.
Fred Preston Brown,	- - - - -	North Adams, Mass.	131 D.
Agnes May Brown,	Morgan Park Academy.	Morgan Park.	Morgan Park, Ill.
Allen Tidalls Burns,	Sisson's Academy.	Chicago.	288, 53d st.
Demia Butler,	Girls' Classical School, Indianapolis.	Indianapolis, Ind.	Sn.
Sarah Elizabeth Butler,	Girls' Classical School, Indianapolis.	Indianapolis, Ind.	Sn.
Katherine Allegra Byrne,	Englewood High School.	Englewood.	6330 Dickey st.
David Chalmers Campbell,	Tarkio College, Mo.	Englewood.	6818 Wright st.
Henry Pcat Caraway,	Northwestern University.	Tuscola.	5835 Drexel av.
Percy Peyton Carroll,	Hanover College, Ind.	Marion, Ind.	110 D.
Mary Castle,	Bucknell University.	Alexandria, O.	5440 Monroe av.
Henry Thurston Chace, Jr.,	Hyde Park High School.	Chicago.	5740 Rosalie court.
Frank Wesley Chadbourn,	University of Rochester.	Columbus, Wis.	6200 Sheridan av.
Faith Benita Clark,	Rockford Seminary.	Rockford.	5719 Rosalie court.
Henry L. Clarke,	So. Division High School.	Chicago.	3338 Calumet av.
Hester Jane Coddington,	Illinois State University.	Kansas City, Mo.	5515 Madison av.
Elizabeth Teasdale Coolidge,	So. Division High School.	Chicago.	2917 Groveland av.
John Birdsey Curtis,	University of Michigan.	Grand Crossing.	7437 Nutt av.
Cora Eames De Graff,	Evansville Classical School, Ind.	Englewood.	6939 Wright st.
Lawrence James de Swarte,	Beloit College.	Milwaukee, Wis.	117 D.
Charles Dorrance Dibell,	Morgan Park Academy.	Joliet.	76 D.
Gertrude Parker Dingee,	Oshkosh High School, Wis.	Racine, Wis.	Sn.
Dora May Diver,	Morgan Park Academy.	Waukegan.	Sn.
Charles Henry Dixon,	De Pauw University.	Chicago.	1076 So. St. Louis av.
Mabel Louise Dore,	So. Division High School.	Chicago.	3650 Vernon av.
Raymond Carleton Dudley,	Morgan Park Academy.	Chicago.	2613 Indiana av.
Charles Wesley Fletcher,	Wheaton College.	West McHenry,	1 G.
Edith Burnham Foster,	W. Division High School.	Chicago.	2541 Michigan av.
Herbert Jacob Friedman,	Morgan Park Academy.	Chicago.	3602 Prairie av.
Joseph C. Friedman,	So. Division High School.	Chicago.	3916 Prairie av.
Mary Furness,	Lyons High School.	La Grange.	5657 Cottage Grove av.
Henry Gordon Gale,	Aurora High School.	Aurora.	94 D.
Cora Margaret Gettys,	Morgan Park Academy.	Englewood.	5855 Wright st.
Hyman Elijah Goldberg,	W. Division High School.	Chicago.	348 S. Clark st.
Emma Louise Goodhue,	Carleton College.	Chicago.	54 Bryant av.
Paul Spencer Graves,	Evanston High School.	Evanston.	5630 Ingleside av.
Lulu Maria Green,	University of Nebraska.	Lincoln, Neb.	550 E. 55th st.
Michael Frederic Guyer,	Plattsburg, Mo., High School.	Plattsburg, Mo.	5630 Ingleside av.
Elmer Ellsworth Hartley,	Morgan Park Academy.	Chicago.	111 D.
Helen Amelia Haven,	Hanover College, Ind.	Marengo.	5806 Drexel av.
John Henry Heil,	Northwestern University.	Centralia.	3504 Rhodes av.
Henry H. Hewitt,	- - - - -	Chicago.	5535 Lexington av.
Harry Cyrus Holloway,	Chicago Manual Training School.	Chicago.	3436 Prairie av.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Edward Gardiner Howe,	-	<i>Tracy.</i>	Tracy, Ill.
Robert Lee Hughes,	Mt. Hermon School, Mass.	<i>Prospect, N. Y.</i>	290, 55th st.
Clara Delia Hulbert,	Morgan Park Academy.	<i>Morgan Park.</i>	Morgan Park, Ill.
John Hulshart,	Peddle Institute, N. J.	<i>Lakewood, N. J.</i>	749, 63d court.
Lila Cole Hurlbut,	Omaha High School, Neb.	<i>Chicago.</i>	4158 Calumet av.
Isaac Barney Hyman,	Morgan Park Academy.	<i>Chicago.</i>	83, 33d st.
Cora Belle Jackson,	Howard University, Washington, D. C.	<i>Chicago.</i>	5429 Jackson av.
Stewart Wells Jameson,	University of Illinois.	<i>Farmer City.</i>	88 D.
Victor Oscar Johnson,	Northwestern University.	<i>Genoa, Neb.</i>	119 D.
Ralph Hiram Johnson,	Kenyon Military Academy, Ohio.	<i>Marion, Ind.</i>	109 D.
Edith Sarah Kellogg,	Iowa College Academy.	<i>Correctionville, Ia.</i>	Sn.
Luella Kerr,	-	<i>Chicago.</i>	3558 Forest av.
George Nelson Knapp,	University of Wisconsin.	<i>Madison, Wis.</i>	113 D.
Philemon Bulkley Kohlsaat,	Northwestern University.	<i>Chicago.</i>	271 Ashland boul.
John Lane Laning,	Illinois College.	<i>Petersburg.</i>	75 D.
Van Rensselaer Lansingh,	College of City of N. Y.	<i>Chicago.</i>	5748 Madison av.
Joseph Leiser	University of Rochester.	<i>Rochester, N. Y.</i>	83 D.
Alfred Earnest Logie,	-	<i>Redlands, Cal.</i>	Grand Crossing.
Walter David Lowy,	Northwestern University Prep. Sch.	<i>Chicago.</i>	3626 Ellis Park.
Clifford Bottsford McGillivray,	Morgan Park Academy.	<i>Chicago.</i>	3727 Vernon av.
Samuel Sweeney McClintock,	Kentucky University.	<i>Lexington, Ky.</i>	5745 Madison av.
Anna James McClintock,	Millersburgh Female College, Ky.	<i>Millersburgh, Ky.</i>	Sn.
Elizabeth Messick,	-	<i>Memphis, Tenn.</i>	Sn.
Ward Magoon Mills,	Morgan Park Academy.	<i>Englewood.</i>	711, 70th st.
Frederick Horace Minard,	Drury College.	<i>Chicago.</i>	48, 53d st.
Arthur Minnick,	Englewood High School.	<i>Chicago.</i>	6029 Ellis av.
Harry Collier Mix,	-	<i>Chicago.</i>	361 Campbell av.
William Eugene Moffatt,	No. Division High School.	<i>Chicago.</i>	5800 Jackson av.
Carrie S. Moore,	Wayland Academy, Wis.	<i>Beloit, Wis.</i>	359, 65th st.
Thomas William Moran,	University of Michigan.	<i>Chicago.</i>	4710 Vincennes av.
Edwin Morgan,	Bucknell University.	<i>E. Stroudsburg, Pa.</i>	371 61st st.
Elizabeth Moss,	Sisson's School.	<i>Great Bend, Kans.</i>	5720 Rosalie ct.
Henry Charles Murphy,	University of Notre Dame, Ind.	<i>Woodstock.</i>	89 D.
Carr Baker Neel,	Oakland High School, Cal.	<i>Chicago.</i>	3203 Indiana av.
Frederick Day Nichols,	Cedar Valley Seminary.	<i>Osage, Ia.</i>	116 Middle D.
Charles Sumner Pike,	So. Division High School.	<i>Chicago.</i>	3908 Ellis av.
Margaret Purcell,	College of Emporia, Kans.	<i>Manhattan, Kans.</i>	Sn.
Maud Lavinia Radford,	Ingham College, N. Y.	<i>LeRoy, N. Y.</i>	Sn.
William John Rapp,	No. Division High School.	<i>Chicago.</i>	115 D.
Joseph Edward Raycroft,	Worcester Academy, Mass.	<i>Boston, Mass.</i>	35 D.
Stella Robertson,	Albion High School, N. Y.	<i>Albion, N. Y.</i>	Sn.
Cora Emma Roche,	W. Division High School.	<i>Chicago.</i>	Sn.
May Josephine Rogers,	University of Michigan.	<i>Chicago.</i>	5657 Cottage Grove av.
Isaac Edward Rubovits,	So. Division High School.	<i>Chicago.</i>	3418 Calumet av.
Loren M. Russell,	-	<i>Englewood.</i>	6357 Stewart av.
Marshall Emmett Sampsell,	Morgan Park Academy.	<i>Chicago.</i>	6851 Wentworth av.
Louis Sass,	W. Division High School.	<i>Chicago.</i>	847 W. Monroe st.
Katherine Augusta Smith,	Morgan Park Academy.	<i>Morgan Park.</i>	Morgan Park, Ill.
Kenneth Gardner Smith,	Morgan Park Academy.	<i>Dixon.</i>	5475 Kimbark av.
Harry Justin Smith,	-	<i>Morgan Park.</i>	Morgan Park, Ill.
Mary Doan Spalding,	Cornell University.	<i>Brooklyn, N. Y.</i>	5549 Woodlawn av.

THE STUDENTS.

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NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Henry Dallas Spear,	Williams College.	Chicago.	161, 30th st.
Joel Sperans,	Gymnasium, Taganrog, Russia.	Russia.	118 D.
Althea Violet Stebbins,	Wellesley College.	Colchour.	Colchour, Ill.
Ray William Stevens,	Sisson's Academy.	Chicago.	3574 Vincennes av.
Harry Wheeler Stone,	So. Division High School.	Chicago.	3411 Vernon av.
Reuben Giles Stowell	No. Division High School.	Chicago.	115 D.
Thomas Jackson Taylor,	Missouri State University.	St. Louis, Mo.	5630 Ingleside av.
Mary Susan Thomas,	- - - - -	Myersdale, Pa.	Students' Hall, Englewood.
Elmer Ely Todd,	Morgan Park Academy.	Dixon,	73 D.
Cyrus Fisher Tolman, Jr.	Morgan Park Academy.	Chicago.	41 University place.
L. Brent Vaughan,	Oberlin College.	Swanton, O.	273 East 55th st.
Alice Van Vliet,	So. Division High School.	Chicago.	Sn.
Harry Whitwell Wales, Jr.	Hyde Park High School.	Lanark.	62, 43d st.
George P. Walker,	- - - - -	Madison, Wis.	95 D.
Sarah Emma Wallace,	Englewood High School.	Englewood.	748, 71st st.
William English Walling,	Hyde Park High School.	Chicago.	4127 Drexel boul.
Emma Beales Walls,	Northwestern University.	Chicago.	4334 Greenwood av.
Ralph Waldo Webster,	Monmouth College.	Monmouth.	5835 Drexel av.
Frederick Simon Weingarten,	College of City of New York.	Chicago.	3237 Calumet av.
Leo Wheeler,	Morgan Park Academy,	Chicago.	3615 Ellis Park.
Gwendolen Brown Willis,	Racine Academy, Wis.	Racine, Wis.	5551 Lexington av.
Frances Greenwood Williston,	So. Division High School.	Elmhurst.	Sn.
Charles Sumner Winston,	- - - - -	Chicago.	363 E. 58th st.
Henry D. Wolff,	- - - - -	Chicago.	3158 Calumet av.
Louis Wolff, Jr.	The Chicago Academy.	Chicago.	1319 Washington boul

UNCLASSIFIED STUDENTS.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Alzora Aldrich,	- - - - -	Westerly, R. I.	Sn.
John Kermott Allen,	Grass Lake High School, Mich.	Chicago.	34 Clark st.
H. F. Atwood,	- - - - -	Hays City, Kans.	96 D.
Edith Florence Austin,	University of Wisconsin.	Woodstock.	5425 Cottage Grove av.
Ann Baldwin,	- - - - -	Chicago,	47 Woodland Park.
Maud Berry,	Hyde Park High School.	Chicago.	5638 Madison av.
Abraham Bowers,	Mt. Morris College.	St. Joseph.	114 D.
Jacob William Braam,	Institute of Technology, Chicago.	Chicago.	86 D.
Marcus Monroe Brown,	- - - - -	Chicago.	1111 Chamber Commerce bldg.
Anna Christina Brunzell,	Skarped's Public School, Sunne, Sweden.	Chicago.	3837 La Salle st.
John Taylor Campbell,	Washburn College, Topeka, Kans.	Cheney, Kans.	5812 Drexel ave.
Lillian Chapin,	W. Division High School.	Chicago.	5418 Kimbark av.
Grace Newsome Clark,	Drury College.	Springfield, Mo.	Sn.
Gertrude Laura Cobb,	- - - - -	Kalamazoo, Mich.	Sn.
Frank Hall Colyer,	Ill. State Normal School.	Albion.	5709 Drexel av.
Louise Bates Comstock,	- - - - -	Rochester, N. Y.	5456 Washington av
Helen Finch Conner,	Girls' Classical School, Indianapolis,	Indianapolis, Ind.	Sn.
Frances Crane,	Chicago Women's Medical Coll.	Chicago.	2541 Michigan av.
Stephen Byron Dexter,	Suffield Literary Institute, Conn.	South Norwalk, Conn.	37 D.
Andrew S. Dillon,	- - - - -	- - - - -	5810 Drexel av.

NAME.	PREVIOUS WORK.	HOME ADDRESS.	PRESENT ADDRESS.
Emil John William Drefs,	Pedagogical Seminary, Warsaw, Russia.	<i>Chicago.</i>	71 D.
Clare Delphine Fox.	Northern Ill. College.	<i>Belvidere.</i>	Sn.
Charles Horace Gallion,	Ills. Wesleyan University.	<i>St. Joseph.</i>	91 D.
Abigail Matilda George,	Cedar Rapids High School, Ia.	<i>Chicago.</i>	4744 Kenwood av.
Mary Lathrop Goss,	Plano High School, Ill.	<i>Plano.</i>	3807 Elmwood pl.
Amelia Varick Gunn.	Oberlin College.	<i>South Evanston.</i>	Sn.
Jessie May Hall.	Mt. Carroll Seminary, Ill.	<i>Elmira, N. Y.</i>	Sn.
Herschel V. Hibbard,	- - - - -	<i>Valparaiso, Ind.</i>	391, 55th st.
Louise Wolcott Hooker,	- - - - -	<i>Rochester, N. Y.</i>	5456 Washington av
Harry David Hubbard,	Temple College, Philadelphia.	<i>Philadelphia, Pa.</i>	39 D.
Edwin S. Keith,	- - - - -	<i>Sioux Falls, S. D.</i>	35 D.
Lucia Kieve,	University of Mich.	<i>Marion, Kaus.</i>	5515 Madison av.
Egbert Sylvester King,	Tait's Academic School, Wash.	<i>Chicago.</i>	127 D.
Jesse Lewis,	Ind. State Normal School.	<i>Rockville, Ind.</i>	5548 Ingleside av.
Emery Ellsworth McCalla,	Pontiac High School.	<i>Pontiac.</i>	5818 Drexel av.
Marion Mead.	Smith College.	<i>Chicago.</i>	2971 Prairie av.
Margaret McGorray,	- - - - -	<i>Detroit.</i>	Sn.
Albert Edward McKinley,	Temple College, Philadelphia.	<i>Philadelphia, Pa.</i>	59 D.
William Lewis Martin,	- - - - -	<i>Chicago.</i>	2437 Calumet av.
Evelyn Matz,	Chicago High School.	<i>Chicago.</i>	431 Oak st.
Charlotte Elizabeth Newton,	- - - - -	<i>Chicago.</i>	4500 Prairie av.
Ellen Johnson O'Connor,	- - - - -	<i>Chicago.</i>	3565 Forest av.
Benjamin Aurelius Ogden,	Ind. State Normal School.	<i>Rockville, Ind.</i>	5548 Ingleside av.
Marion Louise Otis.	The Kirkland School, Chicago.	<i>Chicago.</i>	294 Huron st.
Elbridge Washburn Rice,	Pontiac High School.	<i>Pontiac.</i>	117 D.
Anna Thomas Robinson,	Buffalo Normal School, N. Y.	<i>Buffalo, N. Y.</i>	Sn.
Mary Agusta Sargent,	Carleton College, Minn.	<i>Bellevue, Ia.</i>	5836 Drexel av.
Mary Emily Scarff,	Brookport State Normal School, N. Y.	<i>Bethany, N. Y.</i>	Sn.
Frank Bowman Schermerhorn,	- - - - -	<i>Boise City, Idaho.</i>	Idaho State bldg Jackson Park.
Daniel Martin Schoemaker,	German American Acad., N. Y.	<i>Muscantine, Ia.</i>	116 D.
Jessie Belle Stover,	University of So. Dak.	<i>Centreville, S. Dak.</i>	Sn.
Willard Coldren Struckslager,	Cornell College, Ia.	<i>Lisbon, Ia.</i>	5403 Madison av
Nellie Belle Swenehart,	Oberlin College.	<i>Parkside.</i>	941, 73d st.
Mary Chase Swett,	Cook County Normal School.	<i>Chicago.</i>	5006 Washington av
Frances Maria Thomas,	Cook County Normal School.	<i>Meyersdale, Pa.</i>	Students' Hall, Engle wood.
Charles Frederick Womeldorf,	Nebraska Central College.	<i>Omaha, Neb.</i>	103 D.
Vernie Emma Woodward,	Meriden High School, Conn.	<i>Meriden, Conn.</i>	Sn.

SUMMARY (SPRING QUARTER, 1893).

GRADUATE STUDENTS,	- - - - -	161
DIVINITY STUDENTS.	{ Graduate Department,	67
	{ English Department,	65
	{ Danish - Norwegian Department,	9
	{ Swedish Department,	22
UNIVERSITY COLLEGE STUDENTS,	- - - - -	33
ACADEMIC COLLEGE STUDENTS,	- - - - -	135
UNCLASSIFIED STUDENTS,	- - - - -	57
TOTAL,	- - - - -	549

PART III.—COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

OCTOBER 1, 1893 TO OCTOBER 1, 1894.

ANNOUNCEMENTS FOR THE GRADUATE SCHOOL AND THE UNIVERSITY COLLEGES OF ARTS AND LITERATURE.

NOTE.—The following is a list of the titles of courses to be given in the University from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMS. The number of each course in the REGISTER is indicated by the number in parenthesis following the title of the course.

The hour of the exercise is indicated after each course. In case no hour is indicated it will be arranged when the class is formed. The days on which exercises are held will be designated by the instructor.

Courses marked by a star are intended exclusively or primarily for Graduate Students.

Full Announcements for the Summer Quarter (1894) will be made in later Calendars.

Abbreviations: A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered. K—Kent Hall, R—Ryerson Hall, W—Walker Museum, S—Science Hall.

The abbreviations used in the descriptions of the Courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

I. A. PHILOSOPHY.

K. and C 1, 10-12.

Autumn Quarter. Revised.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Logic. DM. (1) At 3:00

*Advanced Psychology. DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. DM. (4) At 10:30

Kant's Critique of Pure Reason. DM. (6) At 11:30

Prerequisite: course 4.

*Seminar: The Philosophy of Kant. DM. (7)

Prerequisite: course 6.

DR. MONIN.

History of Education. DM. (15) At 4:00

DR. MEZES.

Advanced Ethics. DM. (12) At 3:00

Winter Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Psychology. DM. (2) At 3:00

*Advanced Psychology. DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. DM. (4) At 10:30

*Seminar: The Philosophy of Kant. DM. (7)

Prerequisite: course 6.

DR. MONIN.

The Philosophy of Spinoza. DM. (5) At 4:00

DR. MEZES.

Advanced Ethics. DM. (13) At 10:30

Spring Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Philosophy. DM. (3) At 3:00

*Advanced Psychology. DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

1st Term. M. (4a) This course forms the conclusion of the General History of Philosophy, but it may be taken separately by those who have had courses 1-3. At 10:30

*Advanced Logic and Theory of Knowledge. DM.

(11) This course is designed to follow the courses of the Autumn and Winter Quarters on the Philosophy of Kant.

DR. MONIN.

Recent German Philosophy. DM. (9) At 4:00

DR. MEZES.

Advanced Ethics. DM. (14) At 10:30

Summer Quarter.

ASSISTANT PROFESSOR TUFTS.

Psychology. DM. (2a) At 10:30

History of Modern Philosophy. DM. (4b) At 11:30

DR. MONIN.

History of Education. DM. (15) At 4:00

I. B. APOLOGETICS AND CHRISTIAN ETHICS.

C 10.

Autumn Quarter. Revised.

PROFESSOR ROBINSON.

Apologetics and Christian Evidences. DMM. (1)
At 11:30. (The other hour to be arranged.)

Winter Quarter.

PROFESSOR ROBINSON.

Ethics. MM. 1st Term. (2) At 10:30
Advanced Ethics. MM. 2d Term. (3) At 10:30

II. POLITICAL ECONOMY.

C 3-5.

Autumn Quarter. Revised.

HEAD PROFESSOR LAUGHLIN.

***Economic Seminar.** DM. (19) At 3:00
Money and Practical Economics. DM. (9) At 11:30

PROFESSOR A. C. MILLER.

Finance. DM. (15) At 3:00
Principles of Political Economy. DM. (1) At 8:30

MR. HILL.

Railway Transportation. DM. (12) At 2:00

DR. VEBLEN.

American Agriculture. DM. (16) At 10:30

DR. HOURWICH.

Statistics. DM. (10) At 9:30

Winter Quarter.

HEAD PROFESSOR LAUGHLIN.

***Economic Seminar.** DM. (19) At 3:00
Money and Practical Economics. DM. (9) At 11:30

PROFESSOR A. C. MILLER.

***Seminar in Finance.** DM. (18). At 4:00
Advanced Political Economy. DM. (1A) At 8:30

MR. CALDWELL.

History of Political Economy. DM. (5) At 10:30
Descriptive Political Economy. DM. (1B) At 8:30

MR. HILL.

Industrial and Economic History. DM. (2) At 9:30
Railway Transportation. DM. (12) At 2:00

DR. VEBLEN.

Socialism. DM. (7) At 10:30

DR. HOURWICH.

Advanced Statistics. DM. (11) At 9:30

Spring Quarter.

HEAD PROFESSOR LAUGHLIN.

***Economic Seminar.** DM. (19) At 3:00
Unsettled Problems of Economic Theory. DM. (4) At 11:30

PROFESSOR MILLER.

***Seminar in Finance.** DM. (18) At 4:00
Financial History of the United States. DM. (14) At 11:30

ASSOCIATE PROFESSOR BEMIS.

Social Economics. DM. (8B) At 2:00

MR. CALDWELL.

Scope and Method of Political Economy. DM. (3) At 8:30

History of Political Economy. DM. (5) At 10:30

MR. HILL.

Industrial and Economic History. DM. (2) At 9:30
Tariff History of the United States. DM. (13) At 2:00

DR. VEBLEN.

Socialism. DM. (7) At 10:30

Summer Quarter.

PROFESSOR MILLER.

Economic History of the United States. DM. (14A) At 8:30

MR. CALDWELL.

Economic Factors in Civilization. DM. (6) At 9:30
Social Economics. DM. (8A) At 10:30

III. POLITICAL SCIENCE.

C 5, 9.

Autumn Quarter. Revised.

PROFESSOR JUDSON.

***Seminar in Politics.** DM. (1)
***Comparative Politics.** DM. (2) At 9:30

PROFESSOR LAWRENCE.

International Law. DM. (7) At 11:30

MR. CONGER.

Political Geography. DM. (14) At 2:00

MR. WILCOX.

Civil Government in the United States. Preliminary course. DM. (12) At 11:30

Winter Quarter.

PROFESSOR JUDSON.

***Seminar in Politics.** DM. (1)
***Comparative Politics.** DM. (3) At 9:30
American Constitutional Law. DM. (5) At 10:30
Course 5 should be preceded by course 12.

PROFESSOR LAWRENCE.

International Law. DM. (8) At 11:30

MISS WALLACE.

Spanish-American Institutions. DM. (13) At 11:30

Course 13 should be preceded by course 12.

MR. CONGER.

Political Geography. DM. (15) At 2:00

Spring Quarter.

PROFESSOR JUDSON.

*Seminar in Politics. DM. (1)

Research, preparatory to 2d Term courses, under the direction of the Professor. M. 1st Term. (11)

The Elements of Political Science. M. 2d Term. (6) To be preceded by Courses 12, 15 and 11 At 10:30

*Comparative Politics. M. 2d Term. (4) At 9:30

PROFESSOR LAWRENCE.

International Law. DM. (9) At 11:30

MR. CONGER.

Political Geography. DM. (16) At 2:00

Summer Quarter.

PROFESSOR JUDSON.

*Seminar in Politics. DM. (1)

Comparative Politics. DM. (10) At 9:30

NOTES.—1. Courses 7, 8, and 9 should be taken in that order.

2. Courses in Roman Law, Modern Jurisprudence, and Administrative Law will be offered in 1894-5.

IV. HISTORY.

C 5-7.

Autumn Quarter. Revised.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American, Political, and Constitutional History. DM. (34) At 4:00

History of the French Revolution and the Napoleonic Era. DM. (19) At 3:00

PROFESSOR TERRY.

The Decline of Rome and the Dissolution of the Ancient Classical Civilization. DM. (10) At 2:00

*Seminar: Early German Institutions. DM. (30)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity to the Persian Empire. MM. 1st Term (or DM). (1) At 4:00

DR. SCHWILL.

The Protestant Reformation and the Religious Wars. DM. (38) At 10:30

DR. SHEPARDSON.

Territorial Growth of the United States. DM. (22) At 11:30

Winter Quarter.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American History. DM. (34) At 4:00

The French Revolution and the Napoleonic Era. DM. (19) At 3:00

PROFESSOR TERRY.

*Seminar: Early English Institutions. DM. (31)

The First Attempt to Reorganize Barbaric Society in Europe under Roman Forms. DM. (11) At 8:30

ASSOCIATE PROFESSOR GOODSPEED.

Post Exilic Biblical History from the Exile to the Christian Era. M. 1st Term. (2a) At 4:00

The Early Christian History in its Relation to the Graeco-Roman World. M. 2d Term. (2b) At 4:00

DR. SCHWILL.

The French Revolution and the Era of Napoleon. DM. (39) At 10:30

DR. SHEPARDSON.

Social Life in the American Colonies. DM. (23) At 11:30

Spring Quarter.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American History. DM. (34) At 4:00

The French Revolution and the Napoleonic Era. DM. (19) At 3:00

PROFESSOR TERRY.

The Second Attempt to Reorganize Barbaric Society in Europe under Roman Forms. DM. (12) At 8:30

*Seminar: Later English Institutions. DM. (32)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Egypt. M. 1st Term. (3a) At 4:00

The History of Babylonia and Assyria. M. 2d Term. (3b) At 4:00

The History of Greece to the death of Alexander. DM. (4) At 3:00

DR. SCHWILL.

Italy and the Renaissance. DM. (13) At 10:30

DR. SHEPARDSON.

Outline History of the United States. DM. (40) At 11:30

Summer Quarter.

PROFESSOR TERRY.

- * Seminar: Early German History. DM. (33)
The Great Migrations. DM. (15) At 8:30

ASSOCIATE PROFESSOR GOODSPEED.

- The Relations of Hebrew and Egyptian History.
1st Term. M. (5a) At 4:00
The Relations of Hebrew and Babylonio-Assyrian
History. M. 2d Term. (5b) At 4:00

ASSISTANT PROFESSOR THATCHER.

- The History of Mohammedanism to the end of the
Crusades. DM. (14) At 10:30

V. SOCIAL SCIENCE AND. ANTHROPOLOGY.

C 2, 5, 8.

Autumn Quarter. Revised.

HEAD PROFESSOR SMALL.

- Seminar: The Psychology, Ethics and Sociology
of Socialism. DM. (23)
The Province of Sociology and its relation to the
Special Social Sciences. DM. (24) At 8:30
Problems of Social Statics. DM. (26) At 9:30

ASSISTANT PROFESSOR HENDERSON.

- Seminar: Social Organizations for Promoting
Social Welfare. DM. (14)
Social Institutions of Organized Christianity.
M. (or MM.) 1st Term. (15) At 2:00
Social Treatment of Dependents and Defectives.
M. (or MM.) 2d Term. (16) At 2:00

ASSISTANT PROFESSOR TALBOT.

- Seminar in Sanitary Science. DM. (10)
House Sanitation. DM. (11) At 11:30

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. DM. (1)
Physical Anthropology. Laboratory Work. DM. (2)
Physical Anthropology. Elementary Course. DM.
(9) At 11:30

DR. WEST.

- Applied Anthropology. DMM. (3) At 3:00

Winter Quarter.

HEAD PROFESSOR SMALL.

- Seminar: The Psychology, Ethics, and Sociology
of Socialism. DM. (23)
Social Psychology. DM. (25) At 8:30
Problems of Social Statics. DM. (26) At 9:30

ASSISTANT PROFESSOR HENDERSON.

- Seminar: Social Organizations for Promoting
Social Welfare. DM. (14)
Criminology. DM. (or MM.) (17) At 2:00

ASSISTANT PROFESSOR TALBOT.

- Seminar in Sanitary Science. DM. (10)
Sanitary Aspects of Water, Food, and Clothing.
DM. (12) At 10:30

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. DM. (1)
Physical Anthropology. Laboratory Work. DM.
(2)
Ethnology. DMM. (7) At 11:30

DR. WEST.

- Applied Anthropology. DMM. (3) At 3:00

Spring Quarter.

HEAD PROFESSOR SMALL.

- Seminar: The Psychology, Ethics, and Sociology
of Socialism. DM. (23)
Social Psychology. DM. (25) At 8:30
Problems of Social Statics. DM. (26) At 9:30

ASSISTANT PROFESSOR HENDERSON.

- Seminar: Social Organizations for Promoting
Social Welfare. DM. (14)
The Family. M. (or MM.) 1st Term. (18) At 2:00
Non-Political and Non-Economical Social Institu-
tions. M. (or MM.) 2d Term. (19) At 2:00

ASSISTANT PROFESSOR TALBOT.

- Seminar in Sanitary Science. DM. (10).
The Economy of Living. DM. (12a) At 10:30

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. DM. (1)
Physical Anthropology. Laboratory Work. DM.
(2)
Prehistoric Archæology. DM. (8) At 11:30

ASSOCIATE PROFESSOR BEMIS.

- Some Phases of Contemporary Sociology. DM.
(21) At 10:30

DR. WEST.

- Applied Anthropology. DMM. (3) At 3:00

Summer Quarter.

HEAD PROFESSOR SMALL.

- The Methodology and Bibliography of Social
Science. M. 1st Term. (22) At 9:30
The Province of Sociology and its Relation to
the Special Social Sciences. MM. 1st Term.
(24) At 8:30 and 3:00

ASSISTANT PROFESSOR HENDERSON.

- Methods of Promoting Social Welfare by Volun-
tary Organizations. MM. 2d Term. (20)
At 8:30 and 3:00
Course 26 forms Part II of the system of Social
Philosophy introduced by courses 24 and 25.

Course 26 may be taken by students who are suitably prepared without course 24 and 25, or students who wish to make Social Science their principal subject, may combine courses 24, 25, and 26, as three double Majors.

Courses 24 and 25 will be required of all candidates for the degree of Doctor of Philosophy who present Social Science either as primary or secondary subject.

VII. COMPARATIVE RELIGION.

D 15.

Autumn Quarter. Revised.

ASSOCIATE PROFESSOR GOODSPEED.

The Indian Religions. DM. (1) At 3:00

Winter Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Religions of China and Non-Civilized Peoples.
DM. (2) At 3:00

Spring Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Religions of Greece, Rome, and Northern Europe. DM. (3) At 3:00

Summer Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Islam. DM. (4) At 3:30

VIII. SEMITIC LANGUAGES AND LITERATURES.

D 12-16.

Autumn Quarter. Revised.

HEAD PROFESSOR HARPER.

Later Suras of the Kuran. DMM. or DM. (65)
At 3:00 and 4:00

Hexateuchal Analysis. DM. (55) At 4:00

PROFESSOR HIRSCH.

Introduction to Talmudic Literature. M. 1st Term.
(34) At 2:00

Job. M. 1st Term. (40) At 3:00

Reading of Selected Portions of the Babylonian
Talmud. M. 2d Term. (37) At 2:00

Introduction to the Textual Criticism of the Old
Testament. M. 2d Term. (38) At 3:00

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. DM. (30) At 4:00

Bilingual Babylonian Psalm Literature. M. 2d
Term. (77) At 3:00

Earliest Unilingual Cuneiform Inscriptions. M. 1st
Term. (78) At 3:00

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity. MM. (IV. 1) At 4:00

DR. CRANDALL.

Sight Translation in Hebrew. DM. (8) At 9:30

DR. KENT.

Old Testament Wisdom Literature. DM. (31)
At 10:30

Winter Quarter.

HEAD PROFESSOR HARPER.

Arabic Geography, History, and Commentary.
DMM or DM. (67) At 3:00 and 4:00

Phœnician. M. 1st Term. (91) At 4:00

Comparative Semitic Grammar. M. 2d Term. (94)
At 4:00

Advanced Hebrew Syntax. M. 2d Term. (98)
At 11:30

PROFESSOR HIRSCH.

Abodah Zarah. M. 1st Term. (48) At 2:00

Selected Portions of the Mischna. M. 1st Term.
(43) At 3:00

Coptic. M. 2d Term. (44) At 2:00

New Testament and Talmudic Analogies. M. 2d
Term. (46)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (2)
At 11:30 and 4:00

Jeremiah. M. 1st Term. (21) At 3:00

Isaiah, Chapters XL-LXVI. M. 2d Term. (23)
At 3:00

Biblical Aramaic. M. 2d Term. (80) At 4:00

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History, from the Exile to the Christian
Era. M. 1st Term. (IV. 2a.) At 4:00

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. MM. 1st Term. (69)
At 9:30 and 3:00

Advanced Assyrian. MM. 2d Term. (71)
At 9:30 and 3:00

Beginning Syriac. DM. (88) At 11:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (4) At 9:30

DR. KENT.

Apocryphal Wisdom Literature. DM. (32) At 10:30

Spring Quarter.

HEAD PROFESSOR HARPER.

The Book of the Covenant. MM. 1st Term. (13)
At 7:30 and 8:30

Old Testament Legal Literature. MM. 2d Term.
(27) At 7:30 and 8:30
Hebrew Language. DM. (1) At 9:30

PROFESSOR HIRSCH.

Genesis with Targum. M. 1st Term. (82) At 2:00
Arabic: Thousand and One Nights. M. 1st Term
(66)
Maimonides' Guide in Arabic Hebrew. M. 2d
Term. (51) At 2:00
Advanced Syriac. M. 2d Term. (50) At 3:00

ASSOCIATE PROFESSOR PRICE.

Isaiah. Chapters I-XXXIX. (English). M. 1st
Term. (XV. A. 1) At 11:30
Modern Discoveries and the Old Testament. M.
1st Term. (56) At 11:30

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. M. 2d
Term. (IV. 3b) At 4:00

ASSOCIATE PROFESSOR HARPER.

Assyrian and Babylonian Life. M. 1st Term. (59)
At 9:30
Assyrian Letters. M. 1st Term. (75) At 10:30
Mesopotamian Geography. M. 2d Term. (61)
At 9:30
Babylonian Contracts. M. 2d Term. (76) At 10:30
Early Historical Inscriptions. DM. (72) At 10:30

DR. CRANDALL.

Sight Translation in Hebrew. M. 1st Term. (9)
At 9:30
The Books of Samuel. M. 2d Term. (6) At 9:30

DR. KENT.

Introduction to Biblical History. DM. (33) At 10:30

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period.
M. 2d Term. (11) At 7:30
The Arabic Language. M. 2d Term. (63) At 8:30
Advanced Hebrew Grammar. M. 2d Term. (97)
At 9:30

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (3)
At 8:30 and 3:00
Ezekiel. (English.) M. 1st Term. (XV. A. 3)
At 2:00

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonian Assyrian
History. M. 2d Term. (IV. 5b) At 10:30
The Relations of Hebrew and Egyptian History.
M. 1st Term. (IV. 5a) At 4:00
Islam. DM. (VI. 4) At 3:00

ASSOCIATE PROFESSOR HARPER.

Assyrian Language. MM. (70) At 9:30
Advanced Assyrian. MM. (71) At 8:30 and 3:00
The Book of Proverbs. M. 1st Term. (17) At 10:30
Micah. M. 2d Term. (14) At 10:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5) At 9:30

VIII. BIBLICAL AND PATRISTIC GREEK.

D 10-12.

Autumn Quarter. Revised.

MR. ROOT.

Rapid Reading in Hellenistic Greek. DM. (4)
At 2:00

MR. VOTAW.

Paul's Corinthian Epistles. M. 2d Term. (14)
At 9:30

Winter Quarter.

DR. KENT.

The Apocryphal Wisdom Literature. DM. (VII, 32)
At 10:30

Spring Quarter.

MR. ROOT.

Rapid Translation of Portions of the Greek Text
of the New Testament. M. 1st Term. (3)
At 2:00

MR. VOTAW.

New Testament Greek. M. 1st Term. (2)
At 9:30
Sources and Relations of the Four Gospels. M.
2d Term. (20) At 9:30

Summer Quarter.

HEAD PROFESSOR BURTON.

Studies in the Apostolic Fathers. M. 2d Term. (6)

MR. VOTAW.

The Distinctive Features of the Fourth Gospel.
M. 2d Term. (21) At 9:30

See also courses 1, 7, 8, 9, 15, 16, 22, 23, in New
Testament Literature and Exegesis in the Grad-
uate Divinity School, which are open to stu-
dents of the University Colleges and Graduate
School.

IX. SANSKRIT AND INDO-EUROPEAN COMPARATIVE
PHILOLOGY.

B 2-8.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR BUCK.

Sanskrit, for Beginners. DM. (2) At 10:30

Comparative Grammar of the Latin Language.
DM. (4) At 9:30

Winter Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit (continued). DM. (2) At 10:30
Seminar. DM. (5)

Spring Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit (continued). DM. (2) At 10:30
Avestan (Zend). DM. (6)

Summer Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit, for Beginners. With a general introduction to the Study of Indo-European Comparative Philology. DM. (10) At 11:30
Sanskrit, for Beginners. DM. (2) At 10:30

X. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter. Revised.

PROFESSOR SHOREY.

Homer. Open to Academic College students who have completed two or three Majors of Greek with credit. DM. (7) At 10:30

***Seminar: The History of Ancient Philosophy.** DM. (20)

***Literary Criticism and Rhetoric of the Ancients.** DM. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

Greek Lyric Poets. DM. (8) At 10:30

Winter Quarter.

PROFESSOR SHOREY.

***Seminar: The History of Ancient Philosophy.** DM. (20)

***Literary Criticism and Rhetoric of the Ancients.** DM. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

Thucydides. DM. (15) At 9:30
Introduction to Greek and Roman Archæology. DM. (16) At 10:30

ASSISTANT PROFESSOR CASTLE.

Demosthenes and Æschines. DM. (9) At 9:30
Selected Plays of Sophocles and Euripides. DM. (14) At 10:30

Spring Quarter.

PROFESSOR SHOREY.

Introduction to Study of the Greek Drama. Open to students in the Academic Colleges who have

completed two or three Majors with credit.
DM. (17) At 10:30

***Seminar: The History of Ancient Philosophy.** DM. (20)

***Literary Criticism and Rhetoric of the Ancients.** M. 1st Term. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

Greek Archæology and Private Antiquities. DM. (19) At 10:30

Summer Quarter.

PROFESSOR SHOREY.

Æschylus (Oresteia). M. 1st term. (12) At 10:30

Teachers' Course. M. 1st Term. (23) At 11:30

ASSISTANT PROFESSOR CASTLE.

Readings and Studies in the Odyssey. M. 2d Term. (10) At 10:30

Demosthenes as an Orator and a Man. M. 2d Term. (11) At 11:30

A Greek Reading Club meets once a week from October to June, intended primarily for undergraduates who wish to keep up their knowledge of Greek in the interval between their regular collegiate courses.

XI. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter. Revised.

HEAD PROFESSOR HALE.

***Pliny the Younger.** DM. (22) At 9:30

***Seminar 3: The Comparative Syntax of the Greek and Latin Verb.** DM. (43)

PROFESSOR CHANDLER.

Lucretius. DM. (11) At 8:30

Roman History from the Sources; The Conspiracy of Catiline. DM. (30) At 10:30

ASSOCIATE PROFESSOR ABBOTT.

***Introduction to Latin Palæography.** DM. (37) At 11:30

***Seminar 1: Colloquial Latin.** DM. (41)

Winter Quarter.

HEAD PROFESSOR HALE.

***Juvenal.** DM. (24) At 9:30

***Seminar 3: Comparative Syntax of the Greek and Latin Verb.** DM. (43)

PROFESSOR CHANDLER.

The Georgics of Virgil. M. 2d Term. (15) At 8:30
Roman Philosophy as seen in the Writings of Cicero. M. 2d Term. (29) At 10:30

ASSOCIATE PROFESSOR ABBOTT.

Cicero's Letters. DM. (13) At 11:30
 *Seminar 1: Colloquial Latin. DM. (41)

ASSOCIATE PROFESSOR TARBELL (of the Greek Department.)

Introduction to Greek and Roman Archæology.
 DM. (32) At 10:30

This course is the same as X, 16.

Spring Quarter.

HEAD PROFESSOR HALE.

Teachers' Training Course. DM. (40) At 9:30
 *Seminar 3: Comparative Syntax of the Greek
 and Latin Verb. DM. (43)

PROFESSOR CHANDLER.

Latin Prose of the Christian Church; Latin Hymns.
 DM. (26) At 8:30
 The Development of Roman Oratory. DM. (28)
 At 10:30

ASSOCIATE PROFESSOR ABBOTT.

Roman Administration. DM. (33) At 11:30
 *Seminar 1: Colloquial Latin. DM. (41)

Summer Quarter.

PROFESSOR CHANDLER.

The Epistles of Horace. M. 2d Term. (17)
 At 9:30
 Tibullus and Propertius. M. 2d Term. (18)
 At 10:30

ASSOCIATE PROFESSOR ABBOTT.

Allen's Remnants of Early Latin. M. 1st Term.
 (35) At 9:30
 Persius. M. 1st Term. (19) At 10:30

XII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Autumn Quarter. Revised.

HEAD PROFESSOR KNAPP.

Old French. DM. (1) At 9:30
 Old Spanish. DM. (5) At 10:30

ASSISTANT PROFESSOR BERGERON.

French Literature of the Nineteenth Century.
 DM. (13) At 9:30
 Rapid Reading in Modern French. DMM. (14)
 At 8:30 and 3:00
 French Phonetics. DM. (20) At 10:30

MR. ————

Italian Grammar. M. 1st Term. (21) At 11:30
 Italian Prose. M. 2d Term. (22) At 11:30

MISS WALLACE.

Spanish. DM. (9) At 9:30

Winter Quarter.

HEAD PROFESSOR KNAPP.

Old French. DM. (2) At 9:30
 Old Spanish. DM. (6) At 10:30

ASSISTANT PROFESSOR BERGERON.

Moliere, Corneille, and Racine. DM. (14) At 9:30
 Special Course of Conversation. DMM. (15)
 At 8:30 and 3:00
 French Phonetics. DM. (20) At 10:30

MR. ————

Italian Drama. M. 1st Term. (24) At 10:30
 Italian Comedy. M. 2d term. (25) At 10:30

MISS WALLACE.

Spanish. DM. (10) At 9:30

Spring Quarter.

HEAD PROFESSOR KNAPP.

Old French. DM. (3) At 9:30
 Old Spanish. DM. (7) At 10:30

ASSISTANT PROFESSOR BERGERON.

Advanced Course in Syntax (French). DM. (16)
 At 9:30
 French Phonetics. DM. (17) At 10:30

MR. ————

Italian Prose. M. 1st Term. (26) At 10:30
 Italian Grammar. M. 2d Term. (27) At 10:30

MISS WALLACE.

Spanish. DM. (11) At 9:30

Summer Quarter.

HEAD PROFESSOR KNAPP.

Old French. DM. (4) At 9:30
 Old Spanish. DM. (8) At 10:30

ASSISTANT PROFESSOR BERGERON.

French: Nineteenth Century Literature. DM. (12)
 At 9:30
 French: Conversation. DM. (17) At 10:30

DR. KINNEY.

French Literature of the Seventeenth Century.
 M. 1st Term. (21) At 2:00

MR. ————

Italian Grammar. M. 1st Term. (26) At 3:00

MISS WALLACE.

Knapp's Spanish Grammar. M. 1st Term. (9)
 At 8:30
 Advanced Spanish Reading. DM. (12) At 9:30

XIII. GERMANIC LANGUAGES AND LITERATURE.

B 12-16.

***Germanic Seminar:** Courses 1-10, inclusive, constitute the work of the first section of the Germanic Seminar; the second section meets weekly through Autumn, Winter, and Spring Quarters for the reading and discussion of original papers by members of the Seminar and of reports upon subjects connected with the work of the first section.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR CUTTING.

Faust. DM. (1) At 2:00

Lessing as a Dramatist. DM. (14) At 9:30

DR. SCHMIDT-WARTENBERG.

Comparative German Grammar. DM. (8) At 4:00

Outline History of German Literature. DM. (16)
At 11:30

DR. VON KLENZE.

Gothic. DM. (3) At 3:00

Winter Quarter.

ASSISTANT PROFESSOR CUTTING.

Faust. DM. (1) At 2:00

DR. SCHMIDT-WARTENBERG.

Old High German (Introductory). DM. (4) At 3:00

Middle High German (Advanced). DM. (9) At 4:00

MR. MOLFINGER.

German Prose Composition. DM. (20) At 9:30

Spring Quarter.

DR. SCHMIDT-WARTENBERG.

Introduction to Phonetics. M. 2d Term. (7) At 3:00

Old High German. M. 1st Term. (10) At 3:00

Heine's Prose and Poetry. DM. (18) At 4:00

DR. VON KLENZE.

Goethe's Life. DM. (2) At 3:00

German Ballads. DM. (17) At 2:00

MR. WOOD.

Early Nineteenth Century Prose. DM. (19) At 10:30

Summer Quarter.

ASSISTANT PROFESSOR CUTTING.

Middle High German. DM. (5) At 2:00

Schiller's Wallenstein. DM. (15) At 9:30

DR. VON KLENZE.

Gothic. DM. (3) At 3:00

AUXILIARY COURSES.

For graduate students in departments other than Germanic.

DR. SCHMIDT-WARTENBERG.

***Scientific Reading.** Subjects connected with Biological Sciences. DM. Winter Quarter. (26)
At 10:30

DR. VON KLENZE.

***Scientific Reading.** Subjects connected with Social Sciences. DM. Autumn Quarter. (25)
At 10:30

***Scientific Reading.** Subjects connected with Physical Sciences. DM. Summer Quarter. (27)
At 10:30

XIV. THE ENGLISH LANGUAGE AND LITERATURE AND RHETORIC.

K.

Autumn Quarter. Revised.

PROFESSOR WILKINSON.

Poetics. DM. (9) At 9:30

Sentences. M. 1st Term. (7) At 11:30

History and Fiction. M. 2d Term. (8) At 11:30

ASSISTANT PROFESSOR BLACKBURN.

***Old English.** DM. (27) At 2:00

***Old English Seminar.** DM. (28)
Old English Elementary Course. DM. (23) At 3:00

ASSISTANT PROFESSOR CROW.

English Literature of the Elizabethan Period.
DM. (14) At 2:00

ASSISTANT PROFESSOR MCCLINTOCK.

Milton. DM. (16) At 3:00

***English Literature Seminar.** The beginnings of the Romantic Movement of the Eighteenth Century; Studies in English Literature from 1725-1775. DM. (33)

MR. HERRICK.

Advanced English Composition. DM. (5) At 10:30

MR. TRIGGS.

English Literature of the Nineteenth Century.
DM. (20) At 10:30

Winter Quarter.

PROFESSOR MOULTON.

Ancient Tragedy for English Readers. DM. (12)
At 10:30

ASSISTANT PROFESSOR BLACKBURN.

Old English. Elementary Course (continued).
DM. (24) At 3:00

Middle English. DM. (26) At 2:00

***Old English Seminar.** DM. (28)

ASSISTANT PROFESSOR CROW.

Shakespeare. DM. (15) At 2:00

ASSISTANT PROFESSOR MCCLINTOCK.

The Development of the English Novel from
Richardson to George Eliot. DM. (17)

* Works of William Wordsworth. DM. (32)
At 4:00

ASSISTANT PROFESSOR TOLMAN.

English Romantic Poetry from 1780 to 1830. (18)
At 9:30

MR. TRIGGS.

English Literature of the Nineteenth Century.
DM. (21) At 10:30
Spring Quarter.

PROFESSOR MOULTON.

Tragedy in the Shakesperean Drama. DM. (13)
At 10:30

ASSOCIATE PROFESSOR BUTLER.

English Essayists of the Nineteenth Century.
DM. (10) At 9:30

ASSISTANT PROFESSOR BLACKBURN.

Old English. Elementary Course (continued).
DM. (25) At 3:00

* Old English Seminar. DM. (28)

* Old English Literature. DM. (29) At 2:00

ASSISTANT PROFESSOR CROW.

History and Principles of English Versification.
DM. (11) At 2:00

ASSISTANT PROFESSOR TOLMAN.

* The Origin of the English Drama and its History
to 1650. DM. (31) At 10:30

MR. HERRICK.

Advanced English Composition. DM. (6) At 8:30

MR. TRIGGS.

English Literature of the Nineteenth Century.
DM. (22) At 10:30

MR. CARPENTER.

Spenser. DM. (35) At 11:30

Summer Quarter.

ASSISTANT PROFESSOR MCCLINTOCK.

The Elements of Literature. DM. (19) At 9:30

* English Literary Criticism. DM. (34) At 10:30

ASSISTANT PROFESSOR BLACKBURN.

Old English. Elementary Course. DM. (23)
At 3:00

Middle English. DM. (26) At 2:00

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Autumn Quarter. Revised.

MR. VOTAW.

Jewish Literature of the Maccabean and Primi-
tive Periods. M. 1st Term. (B, 13) At 9:30

Winter Quarter.

MR. ROOT.

The Teaching of Christ in the Synoptic Gospels.
M. 1st Term. (B, 8) At 2:00

The Teaching of Christ in the Fourth Gospel.
M. 2d Term. (B, 9) At 2:00

MR. VOTAW.

The Life of the Apostle Peter. M. 1st Term.
(B, 11) At 11:30

The Writings of the Apostle Peter. M. 2d Term.
(B, 12) At 11:30

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

Isaiah, Chapters i-xxxix. M. 1st Term. (A, 1)
At 10:30

MR. ROOT.

Parties and Controversies in the Apostolic Age.
M. 2d Term. (B, 10) At 2:00

Summer Quarter.

ASSOCIATE PROFESSOR PRICE.

Ezekiel. M. 2d Term. (A, 3) At 10:30

See Courses in Biblical Literature in English in the
Graduate Divinity School, which are open to Students
of the Graduate School and University Colleges.

XVI. MATHEMATICS.

See announcements under the Ogden (Graduate)
School of Science.

ANNOUNCEMENTS FOR THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NOTE.—The following is a list of the titles of courses to be given in the Ogden (Graduate) School of Science from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMS. The number of the course in THE REGISTER is indicated by the number in parenthesis following the title of the course.

Courses marked by a star are intended exclusively or primarily for Graduate Students.

XVI. MATHEMATICS.

R.

***The Mathematical Club and Seminar.** A fortnightly meeting continuing throughout the year, for the review of memoirs and books, and for the presentation of the results of research, open to all graduate students in mathematics; with the coöperation of the members of the Mathematical Faculty, under the presidency of Professor Moore.

Autumn Quarter. Revised.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** DM. (16) At 8:30
Prerequisites: Differential and Integral Calculus and Theory of Equations.

ASSOCIATE PROFESSOR BOLZA.

Advanced Integral Calculus. DM. (7) At 8:30
***Hyperelliptic Functions.** D M. (21) At 9:30
Prerequisites: Differential and Integral Calculus and Theory of Functions.

ASSISTANT PROFESSOR MASCHKE.

Theory of Surfaces. DM. (8) At 10:30
Prerequisites: Analytic Geometry and Differential Calculus.

Analytic Mechanics. DM. (12) At 9:30
Prerequisites: Analytic Geometry and Differential and Integral Calculus.

DR. YOUNG.

Determinants: Theory of Equations. DM. (6) At 11:30
Prerequisites: College Algebra and Plane Geometry. A continuous course for two quarters, but students may enter for the Determinants as a Minor, 1st Term, 1st Quarter.

Winter Quarter.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** DM. (16) At 8:30

ASSOCIATE PROFESSOR BOLZA.

Advanced Integral Calculus. DM. (7) At 8:30
Prerequisites: Differential Calculus and Indefinite Integration.

***Theory of Substitutions and its Application to Algebraic Equations.** DM. (17) At 9:30
Prerequisite: Algebra.

ASSISTANT PROFESSOR MASCHKE.

Theory of the Potential. DM. (14) At 9:30
Prerequisites: Analytic Geometry, Calculus, and Analytic Mechanics.

***Line Geometry.** DM. (18) At 10:30
Prerequisites: Analytic Geometry, Calculus, and Theory of Surfaces.

DR. YOUNG.

Determinants: Theory of Equations. DM. (6) At 11:30
Prerequisites: College Algebra and Plane Trigonometry.

Spring Quarter.

PROFESSOR MOORE.

***Theta Functions.** DM. (22) At 8:30
Prerequisite: Theory of Functions.

DR. BOYD.

Differential Equations. DM. (10) At 9:30
Prerequisite: Advanced Integral Calculus.

ASSISTANT PROFESSOR MASCHKE.

Theoretical Electricity. DM. (13) At 10:30
Prerequisites: Analytic Geometry, and Differential and Integral Calculus.

***Finite Groups of Linear Substitutions.** DM. (19) At 9:30

Summer Quarter.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** DM. (15) At 8:30
Prerequisites: A thorough knowledge of Differential and Integral Calculus.

***Elliptic Functions.** DM. (20) At 9:30
Prerequisites: Theory of Functions and Theory of Substitutions.

DR. YOUNG.

Theory of Numbers. DM. (9) At 10:30

The Elements of the Theory of Invariants with Applications to Higher Plane Curves. DM. (11) At 11:30

Prerequisites: Determinants, and a thorough course in the Theory of Equations.

XVII. ASTRONOMY.

R. and Kenwood Observatory

Autumn Quarter. Revised.

ASSOCIATE PROFESSOR HALE.

Astronomical Photography. DM. (1) At 7:30 P.M.

Prerequisites: General Astronomy and Physics.

Stellar Spectroscopy. DM (or MM.) (3) At 7:30 P.M.

Prerequisite: Solar Physics.

DR. SEE.

***Mechanics of a System of Bodies and the Perturbing Function.** DM. (5) At 9:30

Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.

Spherical and Practical Astronomy. DM. (8) At 10:30

Prerequisites: Mathematics, Physics, and General Astronomy.

Astronomical Seminar. (10)

Prerequisites: Mathematics, Astronomy.

General Astronomy. Introductory Course. DM. (11) At 11:30

Prerequisites: Algebra, Geometry, Trigonometry, and Elements of Physics.

Winter Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics. DM. (or MM.) (2) At 2:00

Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

General Perturbations. DM. (6) At 9:30

Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.

Spherical and Practical Astronomy. DM. (8) At 10:30

Prerequisites: Mathematics, Physics, and General Astronomy.

Astronomical Seminar. (10)

Prerequisites: Mathematics, Astronomy.

General Astronomy. (continue.) DM. (11) At 11:30

Prerequisites: Algebra, Geometry, Trigonometry, and the Elements of Physics.

Spring Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics. DM. (2) At 2:00

Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

***Secular Perturbations.** DM. (7) At 9:30
Prerequisites: Courses 5 and 6,

Theory of Probability and Method of Least Squares. DM. (9) At 11:30

Prerequisites: Mathematics and General Astronomy.

Astronomical Seminar. (10)

Prerequisites: Mathematics and Astronomy.

History of Astronomy. DM. (12) At 10:30

Prerequisite: General Astronomy.

Astro-Physical Research, under the direction of Associate Professor Hale, all quarters.

XVIII. PHYSICS.

R.

Autumn Quarter. Revised.

HEAD PROFESSOR MICHELSON.

***Research Course.** DMM. (1)

***Special Graduate Course.** DM (or MM.) (D 1)

Prerequisites: Advanced Course in General Physics.

ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) DM. (3) At 2:00

Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced.) DM. (4) At 10:30

Prerequisites: Differential and Integral Calculus.

Winter Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course.** DM. (1)

***Special Graduate Course.** DM (or MM.) (2)

Prerequisite: Advanced Course in General Physics.

ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) DM. (3) At 2:00

Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced.) DM. (4)
At 10:30
Prerequisites: Differential and Integral Calculus.

Spring Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course.** DM. (1)

***Special Graduate Course.** DM (or MM.) (2)

Prerequisites: Advanced Course in General Physics.

ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) DM. (3) At 2:00

Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced.) DM. (4)
At 10:30

Prerequisites: Differential and Integral Calculus.

XIX. CHEMISTRY.

K.

Special fees will be charged to students taking Laboratory Courses in Chemistry as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

In no case, however, shall a student, taking several courses in Chemistry, be charged more than \$10.00 a quarter.

Autumn Quarter. Revised.

PROFESSOR NEF.

Organic Chemistry. DM. (6) At 11:30

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations: Laboratory Work. DM. (or MM.) (12)

Prerequisite: Qualitative and Quantitative Analysis and Organic Chemistry. (It may be taken simultaneously in connection with lectures on Organic Chemistry. Those intending to pursue research work in Inorganic Chemistry will be required to take this course as a triple Minor, and those intending to pursue research work in Organic Chemistry will be required to take the course as a triple Major).

***Research Work for Ph.D. Thesis.** Laboratory work. DMM. (14)

Journal Meetings. (15)

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course continuing through three quarters. DM. (1)

Monday, Tuesday and Wednesday at 11:30 and Laboratory Monday and Tuesday 2:00 to 5:00

Prerequisite: Academic College Course in Physics.

Advanced Inorganic Work. DM (or MM.) (10)

Prerequisites: Qualitative and Quantitative Analysis, Theoretical Chemistry, Mineralogy and a reading knowledge of French and German. Those intending to pursue research work in Organic Chemistry will be required to take this course as a triple Minor, those intending to engage in Inorganic Research will be required to take the course as a triple Major.

***Research Work for Ph.D. Thesis.** (Inorganic). DMM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Laboratory Work. DM. (or MM.) (4)

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM (or MM.) (5)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis.** (Inorganic). DM. (14)

DR. LENGFELD.

***Theoretical Chemistry.** Lectures. Two $\frac{1}{2}$ M. (9)
Tuesday and Friday at 8:30

***Research Work for Ph.D. Thesis.** DMM. (14)

DR. STIEGLITZ.

***Organic Nitrogen Derivatives.** $\frac{1}{2}$ DM. (20)
Monday and Thursday at 8:30

Prerequisite: Organic Chemistry.

***Research Work for Ph.D. Thesis.** DMM. (14)

Winter Quarter.

PROFESSOR NEF.

Organic Chemistry. DM. (6) At 11:30

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations. Laboratory Work. DM (or MM.) (12)

For Prerequisites see Course 12, of Autumn Quarter.

***Research Work for Ph.D. Thesis.** Laboratory Work. DM. (14)

Journal Meetings.

ASSISTANT PROFESSOR STOKES.

General Chemistry (continued.) Introductory Course. DM. (1).

Monday, Tuesday and Wednesday at 11:30 and Laboratory Monday and Tuesday, 2:00 to 5:00

Prerequisites: Academic College Course in Physics, and Course 6 in Autumn Quarter.

Advanced Inorganic Work. DM (or MM.) (10)
For prerequisites and requirements see Course 10, Autumn Quarter.

*Research Work for Ph.D. Thesis. DMM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Laboratory Work. DM (or MM.) (4)

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM (or MM.) (5)

Prerequisite: Qualitative Analysis.

*Research Work for Ph.D. Thesis. (Inorganic). DMM. (14)

DR. LENGFELD.

Theoretical Chemistry. $\frac{1}{2}$ DM. (9)
Tuesday and Friday at 8:30

*History of Chemistry. $\frac{1}{2}$ DM. (18)
Tuesday and Friday at 8:30

Research Work for Ph.D. Thesis. DMM. (14)

DR. STIEGLITZ.

*Qualitative Spectrum Analysis. Laboratory Work and Lectures. $\frac{1}{2}$ DM. (16)

Wednesday and Saturday at 8:30

Prerequisite: General Chemistry.

*The Carbohydrates and the Complex Hydrocarbons. $\frac{1}{2}$ DM. (21)

Monday and Thursday at 8:30

*Research Work for Ph.D. Thesis. DMM. (14)

Spring Quarter.

PROFESSOR NEF.

Organic Chemistry. M. 1st Term. (6)

Organic Preparations. Laboratory Work. M (or MM.) 1st Term. (12)

For Prerequisites see Autumn Quarter.

*Research Work for Ph.D. Thesis. MM. (14)
1st Term.

Journal Meetings.

ASSISTANT PROFESSOR STOKES.

General Chemistry (continued.) DM. (2)

Prerequisites: Academic College Course in Physics, and Course 1 in Winter Quarter.

General Chemistry (b). Chiefly Laboratory Work. DM. (2b) Open only to a limited number of students in the General Chemistry Course.

Advanced Inorganic Work. DM (or MM.) (10)
For Prerequisites and requirements see Course 10, Autumn Quarter.

*Research Work for Ph.D. Thesis. (Inorganic). DMM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Laboratory Work. DM (or MM.) (4)

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM (or MM.) (5)

Prerequisite: Qualitative Analysis.

*Research Work for Ph.D. Thesis. (Inorganic). DMM. (14)

DR. LENGFELD.

*Theoretical Chemistry. $\frac{1}{2}$ M. 1st Term. (9)

Physico-Chemical Methods. $\frac{1}{2}$ M. 1st Term. (19)

*Research Work for Ph.D. Thesis. DMM. (14)

DR. STIEGLITZ.

*Research Work for Ph.D. Thesis. DMM. (14)

Summer Quarter.

PROFESSOR NEF.

Special Chapters of Organic Chemistry. $\frac{1}{2}$ M. 2d Term. (22)

*Research Work for Ph.D. Thesis. MM. 2d Term. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Special Chapters of Inorganic Chemistry. $\frac{1}{2}$ DM. (17)

Prerequisite: General Chemistry.

Advanced Inorganic Work. M (or MM.) (10)

Prerequisites: See Course 10, Autumn Quarter.

*Research Work for Ph.D. Thesis. (Inorganic). DMM. (14)

DR. LENGFELD.

General Inorganic Chemistry. DMM. (8)

Physico-Chemical Methods. $\frac{1}{2}$ M. 2d Term. (19)

*Research Work for Ph.D. Thesis. DMM. (14)

DR. STIEGLITZ.

General Organic Chemistry. DMM. (7)

Organic Preparations. DM (or DMM.) (13)

For Prerequisites see Course 21, Autumn Quarter.

*Research Work for Ph.D. Thesis. DMM. (14)

XX. GEOLOGY.

W.

Seminar. Fortnightly during the year, under the presidency of the Head of the Department, aided by the departmental faculty. (25)

Autumn Quarter. Revised.

HEAD PROFESSOR CHAMBERLIN.

***Principles and Working Methods of Geology.**
DM. (or MM.) (22) At 10:30

Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Local Field Geology. (24)

Special Geology. (23)

PROFESSOR SALISBURY.

Geographic Geology. DM (or MM.) (10) At 11:30

Local Field Geology. (24)

ASSOCIATE PROFESSOR IDDIGS.

Crystallography. M. 1st Term. (2) At 9:30
Prerequisites: Physics and Inorganic Chemistry.

Physical Mineralogy. M. 2d Term. (3) At 9:30
Prerequisite: Course 2.

Petrography. DM (or MM.) (6) At 2:00

MR. KUMMEL.

Laboratory Work in Geographic Geology. M. 2d Term. (11)

Winter Quarter.

HEAD PROFESSOR CHAMBERLIN.

***Principles and Working Methods of Geology.**
DM. (or MM.) (22) At 10:30

Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Special Geology. (23)

PROFESSOR SALISBURY.

Structural Geology and Continental Evolution.
DM. (or MM.) (12). At 11:30

Prerequisites: Elementary Mineralogy and Petrology, Chemistry and Physics.

Dynamic Geography. MM (or M.) (13)

General Geology. DM. (9)

ASSOCIATE PROFESSOR IDDIGS.

Descriptive Mineralogy. DM. (4)

Prerequisites: Courses 2 and 3.

Petrography. DMM (or DM.) (6)

ASSOCIATE PROFESSOR PENROSE.

***Economic Geology.** DM. (14)

Prerequisites: Mineralogy, Chemistry, and Physics.

Chemistry of Ore Deposits. DM. (15)

Prerequisite: Course 14.

PROFESSOR VAN HISE.

Pre-Cambrian Geology. M. 1st Term. (19)

Laboratory Course in Connection with Pre-Cambrian Geology. M. 1st Term. (20)

Spring Quarter.

HEAD PROFESSOR CHAMBERLIN.

Geologic Life Development. DM. (16)

Prerequisites: Zoölogy, Botany, Courses 12 and 9

Local Field Geology. (24)

Special Geology. (23)

ASSOCIATE PROFESSOR IDDIGS.

Petrology. DM. (5)

Prerequisites: Courses 2 and 3.

***Petrology. Advanced.** DM (or MM.) (7)

Summer Quarter.

PROFESSOR SALISBURY.

Geology in Camp. DMM. (26)

*Courses still to be arranged as to time and length.
See later Calendars.*

PROFESSOR WALCOTT.

Palæontologic Geology. (17)

PROFESSOR HOLMES.

Archæologic Geology. (21)

For courses in Vertebrate Palæontology see the Department of Zoölogy and Palæontology.

XXI. BOTANY.

No courses in this Department will be given during 1893-4.

XXII. ZOÖLOGY.

S.

Autumn Quarter. Revised.

HEAD PROFESSOR WHITMAN.

***Embryology. Higher Invertebrates.** DMM. (1)
At 8:30

Prerequisites: The introductory Courses in Embryology, Anatomy, and Histology.

***Seminar. Historical Topics.** DM. (3)

DR. WHEELER.

Vertebrate Embryology. DMM. (4)

Prerequisites: Elementary Zoölogy, outlines of Vertebrate Zoölogy, Palæontology, Histology.

DR. WATASE.

Cellular Biology. Lectures and Demonstrations.

Dates to be announced. (7)

Winter Quarter.

HEAD PROFESSOR WHITMAN.

*** Embryology. Higher Invertebrates.** DMM. (1)
At 8:30

For prerequisites see Autumn Quarter.

Seminar. Historical Topics. DM. (3)

MR. LILLIE.

Vertebrate Embryology. DMM. (4) At 10:30

For prerequisites see Autumn Quarter.

DR. WATASE.

Cellular Biology. Lectures and demonstrations.

Dates to be announced. (7)

Spring Quarter.

HEAD PROFESSOR WHITMAN.

*** Embryology. Tectonics of the Vertebrate Embryo.**
DMM. (2) At 8:30

Prerequisites: The introductory Courses in Morphology.

MR. LILLIE.

Vertebrate Embryology. DMM. (4) At 10:30

For prerequisites see Autumn Quarter.

DR. JORDAN.

Sanitary Biology. DM. (6)

Prerequisite: Chemistry.

DR. WATASE.

Cellular Biology. Lectures and demonstrations.
Dates to be announced. (7)

PALÆONTOLOGY.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.
M. (8) At 9:30*** Research in the Osteology of Living and Extinct Vertebrates.** DMM. (11)

Prerequisites: Comparative Osteology and Phylogeny of Vertebrates.

Winter Quarter.

ASSISTANT PROFESSOR BAUR.

Comparative Osteology and Phylogeny of Vertebrates. DM in connection with Course 10. (9)
At 9:30

Prerequisites: Vertebrate Zoölogy, Anatomy, Embryology, Geology.

*** Seminar in Comparative Osteology.** DM in connection with Course 9. (10)**Research in the Osteology of Living and Extinct Vertebrates.** DMM. (11).

For prerequisites see Autumn Quarter.

Spring Quarter.

ASSISTANT PROFESSOR BAUR.

Comparative Osteology and Phylogeny of Vertebrates. DM in connection with Course 10. (9)
At 9:30*** Seminar in Comparative Osteology.** DM in connection with Course 9. (10)**Research in the Osteology of Living and Extinct Vertebrates.** DMM. (11)*Summer Quarter.*

ASSISTANT PROFESSOR BAUR.

Palæontological Field Work.

XXIII. ANATOMY AND HISTOLOGY.

S.

Winter Quarter.

MR. EYCLESHYMER.

General Histology of Animals. DM. (1) At 2:00

XXIV. PHYSIOLOGY.

S.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR LOEB.

*** Original Investigations in Physiology.** DMM. (1)
Physiology of the Sense Organs and the Peripheral and Central Nervous System. DM. (2)
At 9:30**Laboratory Work in Physiology of the Sense Organs and the Nervous System.** In connection with Course 4. (3)**Seminar.** In connection with Course 3. (4)

NOTE.—Courses 3 and 4 taken together form an advanced course in Physiology (Double Minor). With the permission of the Instructor they may be taken together by students of Course 2 as a Double Major.

Winter Quarter.

ASSISTANT PROFESSOR LOEB.

- * **Original Investigations in Physiology.** DMM. (1)
At 9:30

Physiology of Circulation, Respiration, and Animal Heat. DM. (5)

Prerequisite: Course 2.

Laboratory Work in the Physiology of Circulation, Respiration and Animal Heat. (6)

Seminar: in connection with Course 6. Together with Course 6. DM. (7)

Prerequisites: Courses 3 and 4.

Spring Quarter.

ASSISTANT PROFESSOR LOEB.

- Original Investigations in Physiology.** DMM. (1)
At 9:30

General Physiology of Animals and Plants. Lectures in connection with Course 10. (9)

General Physiology of Nerves and Muscles. Together with Course 9. DMM. (10)

Laboratory Work in Physiology of Nerves and Muscles and in General Physiology. (11)

Seminar: in connection with Course 11. Together with Course 11. DM. (12)

Prerequisites: Courses 4 and 3.

DR. LINGLE.

Physiology of Digestion, Secretion, and Metabolism. DM. (8)

Prerequisites: Courses 2 and 5.

Summer Quarter.

DR. LINGLE.

Physiological Demonstration. DM. (14)

It is the aim of this course to give to teachers in the High Schools and Colleges an opportunity to become familiar with the typical physiological experiments.

XXV. NEUROLOGY.

S.

Autumn Quarter. Revised.

PROFESSOR DONALDSON.

The Architecture of the Central Nervous System. DM. (1) At 8:30

Prerequisite: General Histology.

* **Seminar.** DM. (6)

Winter Quarter.

PROFESSOR DONALDSON.

Anatomy of the Special Sense Organs. MM. 1st Term. (2). At 8:30

Prerequisite: General Histology.

Physical Characters of the Brain as Related to the Intelligence. M. 2d Term. (3)

Prerequisite: General Histology.

* **Seminar.** DM. (6)

Spring Quarter.

PROFESSOR DONALDSON.

Doctrine of Localization of Function in the Cerebral Cortex. DM. (4) At 8:30

Prerequisites: Histology and Elementary Physiology.

* **Seminar.** DM. (6)

Summer Quarter.

PROFESSOR DONALDSON.

The Development of the Central Nervous System. DMM. (5) At 8:30

Prerequisites: Histology and Embryology.

* **Seminar.** DM. (6)

ANNOUNCEMENTS FOR THE ACADEMIC COLLEGES.

The following is a list of the titles of courses to be offered in the Academic Colleges from October, 1893, to October, 1894. For full description of courses consult the ANNUAL REGISTER or the DEPARTMENTAL PROGRAMS. The number of each course in the REGISTER is indicated by the figure in parenthesis following the title.

Full Announcements for the Summer Quarter (1894) will be made in later numbers of the CALENDAR.

II. POLITICAL ECONOMY.

C 3-5.

Autumn Quarter. Revised.

PROFESSOR A. C. MILLER.

Principles of Political Economy. DM. (1) At 8:30.
Open only to students who elect 1A or 1B in the Winter Quarter.

Winter Quarter.

PROFESSOR A. C. MILLER.

Advanced Political Economy. DM. (1A) At 8:30

MR. CALDWELL.

Descriptive Political Economy. DM. (1B) At 8:30

MR. HILL.

Industrial and Economic History. DM. (2)
At 8:30

IV. HISTORY.

C 5-7.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (41)
At 2:00

DR. SCHWILL.

Outline History of Modern Europe. DM. (42)
At 3:00

Winter Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (41)
At 2:00

DR. SCHWILL.

Outline History of Modern Europe. DM. (42)
At 3:00

Spring Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (41)
At 2:00

DR. SCHWILL.

Outline History of Modern Europe. DM. (42)
At 3:00

X. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter. Revised.

PROFESSOR SHOREY.

Homer. DM. (7) At 10:30
Open to Academic College Students who have completed two or more Majors with credit.

ASSOCIATE PROFESSOR TARBELL.

Two Plays of Euripides. DM. (4) At 9:30

ASSISTANT PROFESSOR CASTLE.

Xenophon (Memorabilia); **Plato** (Apology and Crito). DMM. (2) At 8:30 and 3:00

Winter Quarter.

MR. ———

Homer (Iliad, Books I-III); **Review of Greek Grammar.** DMM. (1) At 8:30 and 3:00.
Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek.

Spring Quarter.

PROFESSOR SHOREY.

Introduction to Study of the Greek Drama. DM. (17) At 10:30
Open to Academic College Students who have completed two or more Majors with credit.

ASSOCIATE PROFESSOR TARBELL.

Demosthenes (Philippics and Olynthiacs). DM. (6)
At 9:30

ASSISTANT PROFESSOR CASTLE.

Lysias. (Selected Orations). DMM. (3) At 8:30 and 3:00
Not open to students who take Course 2.

PROFESSOR SHOREY.

Greek Reading Club. (Voluntary). Once a week, October to June. (24).

Summer Quarter.

MR. ———.

Xenophon (Memorabilia); **Plato** (Apology and Crito). DMM. (2) At 8:30 and 3:00

XI. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter. Revised.

DR. MILLER.

Horace (Odes); **Wilkins' Primer of Roman Literature**. Section 1. DM. (8a) At 9:30

Horace (Odes); **Wilkins' Primer of Roman Literature**. Section 2. DM. (8b) At 11:30

DR. BATTLE.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 1. DMM. (3a) At 8:30 and 3:00

MR. EMERY.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 2. DMM. (3b) At 8:30 and 3:00

MR. ———.

Virgil (Æneid); **Cicero** (Orations). DMM. (1) At 8:30 and 3:00
Open only to students in the Course in Science.

Winter Quarter.

DR. MILLER.

Horace (Odes); **Wilkins' Primer of Roman Literature**. DM. (8c) At 9:30

Horace (Satires); **Seneca** (Tragedies). DM. (9) At 11:30

Open only to students who have completed the required three Majors in Latin.

DR. BATTLE.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 1. DMM. (3d) At 8:30 and 3:00

MR. EMERY.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 2. DMM. (3e) At 8:30 and 3:00

MR. ———.

Virgil (Æneid); **Cicero** (Orations). DMM. (1) At 8:30 and 3:00
Open only to students in the Course in Science.

Spring Quarter.

DR. MILLER.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 1. DMM. (3f) At 9:30

DR. BATTLE.

Selections from Ovid, Horace, Catullus, and Cicero's Letters. Section 2. DM. (2b) At 9:30

Horace (Odes); **Wilkins' Primer of Roman Literature**. DM. (8e) At 10:30

MR. EMERY.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormia); **Tacitus** (Germania and Agricola). Section 2. DMM. (3e) At 8:30 and 3:00

MR. ———.

Selections from Ovid, Horace, Catullus, and Cicero's Letters. Section 1. DM. (2a) At 11:30
Open only to students in the Course in Science.

Summer Quarter.

DR. MILLER.

Cicero (de Senectute); the **Writing of Latin**. M. 1st Term. (4) At 9:30

Terence. M. 1st Term. (5) At 10:30

DR. BATTLE.

Livy; the **Writing of Latin**. M. 2d Term. (6) At 9:30

Horace (Odes). M. 2d Term. (7) At 10:30

XII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Autumn Quarter. Revised.

DR. KINNE.

Selections from Erckmann-Chatrion, etc. DMM. (28) At 8:30 and 3:00

French Grammar; **Knapp's French Readings** (for beginners). DM. (29) At 3:00

MISS WALLACE.

Knapp's Spanish Grammar. DM. (9) At 9:30

Winter Quarter.

DR. KINNE.

Knapp's French Readings; **Short French Plays**. DM. (30) At 2:00

Selections from Musset, Lamartine, etc. DMM. (31) At 8:30 and 3:00

Spring Quarter.

ASSISTANT PROFESSOR BERGERON.

Rapid Analysis of the Works of Chateaubriand, Hugo, etc. DM. (33) At 11:30

Elements of French Literature. DM. (34) At 2:00

DR. KINNE.

Selections from Erckmann-Chatrion, etc. DMM. (28) At 2:00

French Grammar; Knapp's French Readings (for beginners). DM. (29) At 3:00

Summer Quarter.

DR. KINNF.

French Grammar; Easy French Readings. DM. (32) At 2:00

XIII. THE GERMANIC LANGUAGES AND LITERATURES.
B 12-16.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR CUTTING.

Modern Prose. DM. (20) At 8:30

DR. SCHMIDT-WARTENBERG.

Outline Study of Goethe's Works. DM. (24) At 3:00

DR. VON KLENZE.

German Lyrics. DM. (22) At 2:00

MR. MULFINGER.

Elementary Course in German. DMM. (18) At 8:30 and 3:00

Winter Quarter.

ASSISTANT PROFESSOR CUTTING.

Elementary Course. DMM. (18) At 8:30 and 3:00

German Comedies. DM. (21) At 9:30

MR. MULFINGER.

Intermediate Course. DM. (19) At 11:30

Spring Quarter.

DR. SCHMIDT-WARTENBERG.

Modern Prose. DM. (20) At 2:00

DR. VON KLENZE.

German Prose Composition. M. 2nd Term. (23) At 4:00

Boisen's Preparatory Book of German Prose.
M. 1st Term. (6) At 11:30

Summer Quarter.

ASSISTANT PROFESSOR CUTTING.

German Lyrics. DM. (22) At 9:30

DR. VON KLENZE.

Modern Prose. DM. (20) At 2:00

MR. MULFINGER.

Elementary Course. DMM. (18) At 8:30 and 3:00

XIV. THE ENGLISH LANGUAGE AND LITERATURE AND RHETORIC.

K.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (3) At 8:30
Prerequisite: Course 1, required of all Academic College students.

English Lyric Poetry. DM. (4) At 9:30
Prerequisite: Course 3.

MR. HERRICK.

Rhetoric and Composition. DM. (1) At 8:30
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2) At 9:30
Elective.
Prerequisite: Course 1.

MR. LEWIS.

Rhetoric and Composition. DM. (1) At 2:00
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2) At 3:00
Elective.
Prerequisite: Course 1.

MR. —————

Rhetoric and Composition. DM. (1) At 3:00
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2) At 11:30
Elective.
Prerequisite: Course 1.

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Robert Browning. DM. (20) At 11:30

Winter Quarter.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (3) At 11:30
Prerequisite: Course 1, required of all Academic College students.

English Romantic Poetry from 1780-1830. DM. (18) At 9:30
Prerequisite: Course 3.

MR. HERRICK.

Rhetoric and Composition. DM. (1) At 2:00
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2) At 10:30
Elective.
Prerequisite: Course 1.

MR. LEWIS.

Rhetoric and Composition. DM. (1) At 3:00
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2) At 2:00
Elective.
Prerequisite: Course 1.

MR. _____

Rhetoric and Composition. DM. (1) At 9:30
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2)
Elective. At 10:30
Prerequisite: Course 1.

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Tennyson and Arnold. DM. (21) At 11:30

Spring Quarter.

ASSOCIATE PROFESSOR BUTLER.

English Literature. DM. (3) At 10:30
Required of all Academic College students.
Prerequisite: Course 1.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (3) At 8:30
Required of all Academic College students.
Prerequisite: Course 1.

MR. HERRICK.

Rhetoric and Composition. DM. (1) At 2:00
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2)
Elective At 10:30
Prerequisite: Course 1.

MR. LEWIS.

Rhetoric and Composition. DM. (1) At 3:00
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2)
Elective. At 2:00
Prerequisite: Course 1.

MR. _____

Rhetoric and Composition. DM. (1) At 9:30
Required of all Academic College students. It must be taken immediately after entrance.

English Composition. Advanced Course. DM. (2)
Elective. At 11:30
Prerequisite: Course 1.

MR. TRIGGS.

English Literature of the 19th Century. Emerson, Thoreau, Lowell, and Whitman. DM. (22) At 11:30

Summer Quarter.

Courses 1, 2, and 3 in Rhetoric and in English Literature will be given.

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Autumn Quarter.

MR. ROOT.

History of New Testament Times. DM. (B1) At 2:00

Winter Quarter.

MR. ROOT.

The Life of Christ. DM. (B2) At 2:00

Spring Quarter.

MR. ROOT.

Studies in the Apostolic History. M. First Term. (B6) At 2:00

Studies in the Epistles of Paul. M. Second Term. (B7) At 2:00

XVI. MATHEMATICS.

R.

Autumn Quarter. Revised.

NOTE.—Two consecutive Minors of mathematics are required of every student in the first year of residence. The topics are *Algebra*, *Plane Trigonometry*, and *Co-ordinate Geometry of the Point, Line and Circle*.

Sections I, II, and III take the work in the Autumn and Winter Quarters, Sections IV and V in the Winter and Spring Quarters.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30
The mathematical elective for the Academic College.

DR. YOUNG.

Required Mathematics. Section III. of the two Majors in Mathematics required in the first year of residence. (1c) At 10:30

DR. BOYD.

Plane Trigonometry. M. 1st Term. (2) At 10:30
Prerequisite: College Algebra.

Spherical Trigonometry. M. 2d Term. (3) At 10:30

Prerequisites: Solid Geometry and Plane Trigonometry.

Required Mathematics. Section I. of the two Majors in Mathematics required in the first year of residence. (1a) At 9:30

Required Mathematics. Section II. of the two Majors in Mathematics required in the first year of residence. (1b) At 2:00

Winter Quarter.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30
Elective.

DR. YOUNG.

Required Mathematics. Section III. DM. (1c)
At 10:30

DR. BOYD.

Algebra, Plane Trigonometry, and Coördinate Geometry of the Point, Line, and Circle. DM. (1d) At 10:30

Required Mathematics. Sections I. and II. DM. (1a, 1b) At 9:30

Required Mathematics. Section V. DM. (1e)

Spring Quarter.

DR. BOYD.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30

Required Mathematics. Section IV. DM. (1d)

MR. _____

Required Mathematics. Section V. DM. (1e)

Summer Quarter.

MR. _____

Plane Analytical Geometry. DM. (4b)

Plane Trigonometry. DM. (4a)

XVIII. PHYSICS.

R.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR STRATTON.

General Physics. DM. (5) At 9:30
Prerequisite: Plane Geometry.

MR. HOBBS.

Laboratory Practice. DM. (6)
Prerequisite: Course 5 for one Quarter.

Winter Quarter.

ASSISTANT PROFESSOR STRATTON.

General Physics. DM. (5) At 9:30
Prerequisite: Plane Geometry.

MR. HOBBS.

Laboratory Practice. DM. (6)
Prerequisite: Course 5 for one Quarter.

Spring Quarter.

MR. HOBBS.

Laboratory Practice. DM. (6)
Prerequisite: Course 5 for one Quarter.

Summer Quarter.

MR. HOBBS.

Laboratory Practice. DM. (6)
Prerequisite: Course 5 for one Quarter.

XIX. CHEMISTRY.

K.

Autumn Quarter. Revised.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course. DM. (1)
Monday, Tuesday, and Wednesday at 11:30, and
Laboratory Monday and Tuesday 2:00 to 5:00.
A continuous course through three Quarters.
Prerequisites: Courses 5 and 6 in Physics.

Winter Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course. DM. (1)
Monday, Tuesday, and Wednesday at 11:30, and
Laboratory Monday and Tuesday 2:00 to 5:00.
Prerequisite: Course 11 in 1st Quarter.

Spring Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory course. DM. (1)
Prerequisite: Course 1 in 1st and 2d Quarters.
General Chemistry, Chiefly Laboratory Work.
DM. (2) Open only to a limited number of
students in Course 1.

Summer Quarter.

DR. LENGFELD.

General Inorganic Chemistry. DM. (8)

XX. GEOLOGY.

W.

Autumn Quarter. Revised.

PROFESSOR SALISBURY.

Physiography. DM. (1) At 9:30

Winter Quarter.

PROFESSOR SALISBURY.

Physiography. DM. (1) At 9:30

XXII. ZOÖLOGY.

S.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.
M. 1st Term. (8) At 9:30

DR. JORDAN.

Elementary Zoölogy. DM. (5) At 10:30
Prerequisites: Elementary Chemistry and
Physics.

Winter Quarter.

DR. JORDAN.

Elementary Zoölogy. DM. (5) At 10:30
Prerequisites: Elementary Chemistry and
Physics.

XXIV. PHYSIOLOGY.

S.

Spring Quarter.

DR. LINGLE.

General Physiology of Animals and Plants. 3
lectures a week. (9).

XXVI. ELOCUTION.

Autumn Quarter. Revised.

MR. CLARK.

Theory and Practice. One hour a week during the
year. Required of students in 2d year of
Academic Colleges. (1).

Advanced Elocution. 2 hrs. a week. M. (2). Open
to the University Colleges and to students who
have completed elsewhere work equivalent to
Course 1.

Winter Quarter.

MR. CLARK.

Theory and Practice. One hour a week. (1)

**Writing and Delivery of Original Orations, Analy-
sis and Reading of Macbeth.** M. (3).
Prerequisites: Courses 1 and 2.

Spring Quarter.

MR. CLARK.

Theory and Practice. One hour a week. (1)

XXVII. PHYSICAL CULTURE.

Class Work in Physical Culture is required of all
undergraduate students not excused on account of
physical disability, during four half-hours a week.
Students are given choice of hour and course. Courses
are offered in prescriptive work, general class drills,
and athletic training. Each course is so arranged that
those who take part in it receive work which tends to
symmetrical development.

Students will select their period for class work from
the following: men — 8:45, 9:45, 10:45, 11:45 A.M.;
4:30, 5:15 P.M. Women—11:45, 3:15, 4:45, 5:15 P.M.
The 3:15 and 5:15 P.M. classes for women are for
those who took the work in 1892-93. Classes in prescrip-
tional work will be formed for both men and women.
Application may be made to the gymnasium instructor
by those wishing to join these classes. Training for
any of the University Athletic Teams will be accepted
as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday,
Wednesday, Thursday and Friday of each week.
Bulletins containing appointments for physical exami-
nation and departmental communications will be posted
on the Physical Culture bulletin board.

PART IV.—COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL.

OCTOBER 1, 1893 TO OCTOBER 1, 1894.

ANNOUNCEMENTS FOR THE GRADUATE DIVINITY SCHOOL.

NOTE.—The following is a list of the titles of courses given in the Divinity School from October 1, 1893 to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMS. The number of each course in the REGISTER is indicated by the number in parenthesis following the title of the course.

The hours of the exercises will be announced in the Time Schedule of the Divinity School. The days on which exercises are held will be indicated by the instructor.

Abbreviations: A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered.

The abbreviations used in the descriptions of the courses are: M-Minor, DM-Double Minor, MM-Major, DMM-Double Major.

XXX. OLD TESTAMENT LITERATURE AND EXEGESIS.

D 12-16.

The Departmental Numbers XXX and VII are identical, also XXXI and VIII. For additional courses see announcements of Graduate School and Colleges.

VII. SEMITIC LANGUAGES AND LITERATURES.

Autumn Quarter. Revised.

HEAD PROFESSOR HARPER.

Earlier Suras of the Kuran. M. 1st Term. (64)

Arabic Geography, History, and Commentary.
MM. 2d Term. (67)

PROFESSOR HIRSCH.

Introduction to Talmudic Literature. M. 1st
Term. (34)

Job. M. 1st Term. (40)

Reading of Selected Portions of the Babylonian
Talmud. M. 2d Term. (37)

Introduction to the Textual Criticism of the Old
Testament. M. 2d Term. (38)

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. DM. (30)

Bilingual Babylonian Psalm Literature. M.
2d Term. (77)

Earliest Unilingual Cuneiform Inscriptions. M.
1st Term. (78)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity. DM or MM. (IV. 1)

DR. CRANDALL.

Sight Translation in Hebrew. DM. (8)

DR. KENT.

Old Testament Wisdom Literature. DM. (31)

Winter Quarter.

HEAD PROFESSOR HARPER.

Hexateuchal Analysis. M. 1st Term. (55)

Phœnician. M. 1st Term. (91)

Comparative Semitic Grammar. M. 2d Term. (94)

Advanced Hebrew Grammar (Syntax). M. 2d
Term. (98)

PROFESSOR HIRSCH.

Arabic, Thousand and One Nights. M. 1st
Term. (36)

Selected Portions of the Mischna. M. 1st
Term. (43)

Coptic. M. 2d Term. (44)

New Testament and Talmudic Analogies. M.
2d Term. (46)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (2)

Isaiah, Chapter XL-LXVI. DM. (23)

Biblical Aramaic. M. 2d Term. (80)

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. DM. (69)

Advanced Assyrian. DM. (71)

Beginning Syriac. DM. (88)

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (4)

DR. KENT.

Apocryphal Wisdom Literature. DM. (32)

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History from the Exile to the Christian Era. M. 1st Term. (IV. 2a)

Spring Quarter.

HEAD PROFESSOR HARPER.

The Book of the Covenant. MM. 1st Term. (13)
Old Testament Legal Literature. MM. 2d Term. (27)

Hebrew Language. DM. (1)

PROFESSOR HIRSCH.

Advanced Syriac. M. 1st Term. (50)

Abodah Zarah. M. 1st Term. (48)

Maimonides' "Guide" in Arabic Hebrew. M. 2d Term. (51)

Advanced Syriac. M. 2d Term. (52)

ASSOCIATE PROFESSOR PRICE.

Isaiah. Chapters i-xxxix, (English). M. 1st Term. (XII. A1)

Modern Discoveries and the Old Testament. M. 1st Term. (56)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. M. 2d Term. (IV. 3b)

ASSOCIATE PROFESSOR HARPER.

Assyrian and Babylonian Life. M. 1st Term. (59)

Assyrian Letters. M. 1st Term. (75)

Mesopotamian Geography. M. 2d Term. (61)

Babylonian Contracts. M. 2d T. (76)

DR. CRANDALL.

Sight Translation in Hebrew. M. 1st Term. (9)

DR. KENT.

Introduction to Biblical History. DM. (33)

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period. M. 2d Term. (11)

The Arabic Language. M. 2d Term. (63)

Advanced Hebrew Grammar. M. 2d Term. (97)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (3)

Ezekiel. (English) M. 1st Term. (XII. A2)

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonian-Assyrian History. 2d Term. (IV. 56)

The Relations of Hebrew and Egyptian History. M. 1st Term. (IV. 5a)

Islam. Double M. (VI. 4)

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. DM. (69)

Advanced Assyrian. DM. (71)

The Book of Proverbs. M. 1st Term. (17)

Micah. M. 2d Term. (14)

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5)

XXXI. NEW TESTAMENT LITERATURE AND EXEGESIS.

D 10-12.

The Department Numbers XXXI and VIII are identical; also XXX and VII. For additional courses see announcements for Graduate School and Colleges.

Autumn Quarter. Revised.

HEAD PROFESSOR BURTON.

The Gospel of Matthew. DM. (8)

Prerequisite: Course (1) must precede or accompany this course or (2) precede it.

ASSISTANT PROFESSOR NORDELL.

New Testament Greek. (Grammar.) DM. (1)

NOTE.—This course is intended to furnish linguistic preparation for the exegetical study of the New Testament and is prescribed for all candidates for the degree of B. D. An examination covering the ground of the course will be accepted in lieu of the course.

Winter Quarter.

ASSISTANT PROFESSOR NORDELL.

The Gospel of John. DM. (10)

Prerequisites: (1) and (8)

Spring Quarter.

ASSISTANT PROFESSOR NORDELL.

The Gospel of Luke. M. 2d Term. (9)

History of the Canon of the New Testament. DM. (23)

MR. ROOT.

Rapid Translation of Portions of the Greek Text of the New Testament. M. 1st Term. (VIII. 3).

MR. VOTAW.

New Testament Greek. M. 1st Term. (VIII, 2)
Sources and Relations of the Four Gospels. M.
2d Term. (VIII, 20).

Summer Quarter.

HEAD PROFESSOR BURTON.

The Second Group of the Letters of the Apostle
Paul. M. 1st Term. (15)
The Third Group of the Letters of the Apostle
Paul. M. 2d Term. (16)
New Testament Syntax. Inductively studied.
M. 1st Term. (7)

XXXII. BIBLICAL THEOLOGY.

D 10-12.

Autumn Quarter. Revised.

HEAD PROFESSOR BURTON.

Theology of the Synoptic Gospels. DM. (1)
Prerequisites: XXXI. Courses 1 and 8 Pre-
scribed for candidates for the degree of D.B., in
first year of their course.

MR. ROOT.

Rapid Translation of Portions of the Greek Text
of the New Testament. M. 1st Term. (VIII, 3.)

MR. VOTAW.

New Testament Greek. M. 1st Term. (VIII, 2.)
Sources and Relations of the Four Gospels. M.
2d Term. (VIII, 20).

Spring Quarter.

ASSISTANT PROFESSOR NORDELL.

Seminar on the Theology of the Gospel of John.
M. 1st Term. (3)
Prerequisites: XXXI, Courses 1, 8 and 10.

XXXIII. SYSTEMATIC THEOLOGY.

D 2-7.

Autumn Quarter. Revised.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. DM. (1)
Required for students who have been in the
School one year.

Soteriology. DM. (4)

Prerequisites: Theology Proper and Anthro-
pology. For students who have been two years
in the School.

ASSISTANT PROFESSOR SIMPSON.

Apologetics. DM. (2)

Required of students in the first year.

Winter Quarter.

HEAD PROFESSOR NORTHRUP.

Christian Ethics. DM. (6) Elective.
Theology as Taught by Paul. DM. (12)

ASSISTANT PROFESSOR SIMPSON.

Anthropology. DM. (3)

Spring Quarter.

HEAD PROFESSOR NORTHRUP.

The Relation of Philosophy to the Christian
Religion. M. 1st Term. (7) Elective.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. M. 1st Term. (5)
Elective for students who have completed the
preceding studies of the Theological Course.

XXXIV. CHURCH HISTORY.

D 2-7.

Autumn Quarter. Revised.

HEAD PROFESSOR HULBERT.

The English Reformation and Puritanism. DM.
(12)

The Anglican Church. DM. (20)
See Course (12).

Under the Tudors, A.D. 1509-1603. DM. (27)
See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. DM. (1)
From Boniface VIII. to Luther, A.D. 1294-1517.
DM. (5)
See Course (10).

The Reformers: Wiclif, Huss, Savonarola. DM. (9)
See Course (10).

Preparation for the Protestant Reformation. DM.
(10)

Winter Quarter.

HEAD PROFESSOR HULBERT.

From Constantine to Theodosius, A.D. 311-395.
DM. (2)

The English Reformation and Puritanism. DM. (12)
The Scotch Reformation. M. 2d Term. (14)

In Celtic and in Anglo-Saxon Britain, A.D. 30-
1066. DM. (24)
See Courses (2) and (3).

Under the Stuarts, A.D. 1603-1688. DM. (28)
See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

The German Reformation. DM. (11)
The Lutheran Church. DM. (13)

See Course (11).

Spring Quarter.

HEAD PROFESSOR HULBERT.

From Charles the Great to Boniface VIII., A. D. 814-1294. M. 1st Term. (4)

ASSISTANT PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. M. 1st Term. (1)

Required of 1st year men.

Winter Quarter.

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. DM. (4)

Homiletics. DM. (2)

History of Preaching. DM. (3)

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Courses in this department in the Graduate School and the Colleges, are open to students in the Divinity School.

Winter Quarter.

ASSISTANT PROFESSOR NORDELL.

The Life and the Epistles of Paul. DM. (15)

Autumn Quarter. Revised.

HEAD PROFESSOR ANDERSON.

Plans and Sermons. DM. (1)

Church Polity and Pastoral Duties. DM. (4)

ANNOUNCEMENTS FOR THE ENGLISH THEOLOGICAL SEMINARY.

THE PRESCRIBED CURRICULUM FOR THE FIRST YEAR.

Autumn Quarter. Revised.

HEAD PROFESSOR ANDERSON.

Homiletics. DM. XXXV. (6)

ASSISTANT PROFESSOR NORDELL.

Historical Study of the Life of Christ. DM. XV. (14)

ASSISTANT PROFESSOR SIMPSON.

Inspiration and Theology proper. DM. XXXIII. (8)

Winter Quarter.

ASSOCIATE PROFESSOR PRICE.

Isaiah, XL-LXVI. DM.

ASSISTANT PROFESSOR SIMPSON.

Anthropology. M. 1st Term. XXXIII. (9)

ASSISTANT PROFESSOR JOHNSON.

History of the Church prior to Constantine, A. D. 30-311. DM. XXXIV. (1)

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

Isaiah, I-XXXIX. M. 1st Term.

ASSISTANT PROFESSOR NORDELL.

Studies in the Gospels on the basis of the Revised Version. M. 1st Term. XV. (16)

THE PRESCRIBED CURRICULUM FOR THE SECOND YEAR.

Autumn Quarter. Revised.

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel and Kings. DM.

HEAD PROFESSOR HULBERT.

History of the Church from Constantine to Theodosius, A.D. 311-395. DM. XXXIV. (2)

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. DM. XXXV. (4)

Winter Quarter.

HEAD PROFESSOR HULBERT.

History of the Church from Theodosius to Charles the Great, A.D. 395-814. M. 1st Term. XXXIV. (3)

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. DM. XXXIII. (12)

HEAD PROFESSOR ANDERSON.

Homiletics. DM. XXXV. (4)

ASSISTANT PROFESSOR SIMPSON.

Soteriology. M. 2d Term. XXXIII. (10)

Spring Quarter.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. M. 1st Term. XXXIII. (5)

ANNOUNCEMENTS FOR THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

XL. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (DAN.-NOR.)

Autumn Quarter. Revised.

ASSISTANT PROFESSOR GUNDERSON.

General Introduction. M. 1st Term. (1)

Particular Introduction. M. 1st Term. (2)

The Principles of Biblical Interpretation. M. 2d Term. (3)

Exegesis. The Epistle to the Galatians. M. 2d Term. (6)

Winter Quarter.

ASSISTANT PROFESSOR GUNDERSON.

Exegesis. The Epistle to the Romans. DM. (7)

The Parables of Our Lord. DM. (5)

Spring Quarter.

ASSISTANT PROFESSOR GUNDERSON.

Sacred Geography and Biblical Antiquities. M. 1st Term. (4)

The Epistle to the Ephesians. M. 1st Term. (8)

XLI. SYSTEMATIC THEOLOGY. (DAN.-NOR.)

Winter Quarter.

PROFESSOR JENSEN.

Introduction to the Science of Christian Theology.

M. 1st Term. (1)

Antecedents of Redemption. M. 1st Term. (2)

Redemption Itself. M. 2d Term. (3)

Consequents of Redemption. M. 2d Term. (4)

Spring Quarter.

PROFESSOR JENSEN.

Church Polity. M. 1st Term. (5)

New Testament Ethics. M. 1st Term. (6)

XLII. HOMILETICS AND PASTORAL DUTIES. (DAN.-NOR.)

Autumn Quarter. Revised.

PROFESSOR JENSEN.

Theory of Preaching. M. 1st Term. (1)

Sermonizing and Preaching. DM. (2)

Pastoral Theology. 2d Term. (3)

ANNOUNCEMENTS FOR THE SWEDISH THEOLOGICAL SEMINARY.

XLV. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (SWEDISH.)

Autumn Quarter. Revised.

ASSISTANT PROFESSOR MORTEN.

An Outline of Israelitish History. M. 2d Term. (1)

Exegesis. The Gospels in Harmony. DM. (3)

Exegesis. First and Second Thessalonians. M. 1st Term. (4)

Exegesis. The Epistle to the Romans. M. 2d Term. (5)

Spring Quarter.

ASSISTANT PROFESSOR MORTEN.

Biblical Interpretation. M. 1st Term. (2)

XLVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES. (SWEDISH.)

Autumn Quarter. Revised.

PROFESSOR LAGERGREN.

Theological Preenotions. M. 1st Term. (1)

General Introduction. M. 2d Term. (2)

The Doctrine of Redemption and Salvation. (Soteriology.) M. 1st Term. (6)

The Doctrine of the Church, or Church Polity. M. 2d Term. (7)

Winter Quarter.

PROFESSOR LAGERGREN.

The Bible a Revelation from God. M. 1st Term. (3)

The Doctrine of God. (Theology Proper.) M. 2d Term. (4)

The Last Things. (Eschatology.) M. 1st Term. (8)

Symbolics. M. 2d Term. (9)

Spring Quarter.

PROFESSOR LAGERGREN.

The Doctrine of Man, or Theory Proper. M. 1st Term. (5)

Pastoral Duties. M. 1st Term. (10)

XLVII. CHURCH HISTORY. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Ancient Church History. M. 1st Term. (1)

Mediæval Church History. M. 2d Term. (2)

Spring Quarter.

ASSISTANT PROFESSOR SANDELL.

Modern Church History. M. 1st Term. (3)

XLVIII. HOMILETICS. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Theoretical Homiletics. M. 1st Term. (1)

Practical Homiletics. M. 2d Term. (2)

PART V.—THE UNIVERSITY EXTENSION DIVISION.

THE LECTURE STUDY DEPARTMENT.

The following list includes the centres organized by this department since October 1, 1892. The information regarding the centres is, in each case, given in the following order: Name of Centre; location of hall where lectures were given; and the name and address of the Local Secretary.

CENTRES IN CHICAGO.

All Souls (S. E. corner Oakwood Boulevard and Langley Ave.)—Mrs. E. T. Leonard, 6600 Ellis Ave.
Association (Union Park Church, Ashland Ave. and Washington Boulevard)—A. D. Mackay, Madison and Paulina Sts.
Church of Redeemer (Warren Ave. and Robey St.)—Hon. S. N. Brooks, 271 Warren Ave.
Centenary (295 W. Monroe St.)—M. E. Cole, 99 Washington St.
Drexel (Drexel Boulevard, corner 40th St.)—E. J. Townsend, 4426 Champlain Ave.
Englewood (Ill.)—R. A. White, 6638 Stewart Ave.
Hull House (355 S. Halsted St.)—Miss Jane Addams, 335 S. Halsted St.
Hyde Park (Washington Ave., corner 53d St.)—C. H. Smith, 5484 Monroe Ave.
Kenwood (Greenwood Ave. and 46th St.)—E. G. Shumway, 4549 Ellis Ave.
K. A. M. Knowledge Seekers (33d St. and Indiana Ave.)—Rev. I. S. Moses, 3131 Prairie Ave.
Lake View (Evanston Ave. and School St.)—Frank H. McCulloch, 1116 The Rookery.
Millard Ave.—Miss Jessie Stiles, Millard Ave.
Memorial (Oakwood Boulevard, near Cottage Grove Ave.)—Mrs. C. A. Crandall, 4443 Berkeley Ave.
Normal Park.—Rev. W. B. Matteson, 7018 Wright St.
Newberry Library (Lectures partly given at Unity Church, Dearborn Ave. and Walton Place)—George L. Hunter, N. State and Oak Sts.
Owen Scientific Centre—C. E. Bentley, 277 State St.
Plymouth (2535 Michigan Ave.)—C. E. Boynton, 3619 Lake Ave.
People's Institute (Van Buren St. near Leavitt St.)—Miss H. M. Fallows, 967 W. Monroe St.
St. James (Wabash Ave. and 29th St.)—Miss Minnie R. Cowan, 2975 Wabash Ave.
St. Paul's (Prairie Ave. and 30th St.) Miss Sarah Hanson, Belvedere Flats, Cottage Grove Ave. and 31st St.

Sinai (Indiana Ave. and 21st St.)—Rose G. Kauffman, 3313 Calumet Ave.
Union Park (Monroe and Laflin Sts.)—Dr. G. F. Washburne, 551 Jackson Boulevard.
University (Ellis Ave. and 58th St.)—Charles Zeublin, University of Chicago.
Wicker Park (Hoyne Ave. and Lemoyne St.)—Miss A. A. Deering, 23 Ewing Place.

CENTRES OUTSIDE OF CHICAGO.

Unless otherwise specified, the address preceding the name of the Local Secretary is the only one required.

Aurora (Ill.)—Mrs. Agnes C. Willey.
Austin (Ill.)—S. R. Smith.
Arlington Heights (Ill.)—William A. Newton, Box 35.
Barrington (Ill.)—Luella M. Clarke.
Blue Island (Ill.)—William A. Blodgett.
Detroit (Mich.)—Henry A. Ford, 401 Second Ave.
Decatur (Ill.)—James Lindsay.
East Chicago (Ind.)—Miss Edith Middleton.
Elgin (Ill.)—Miss Bessie G. Childs.
Freeport (Ill.)—John F. Shaible.
Flint (Mich.)—Miss Emily E. West.
Galesburg (Ill.)—Pres. John H. Finley.
Galena (Ill.)—Miss Kate A. McHugh.
Highland Park (Ill.)—Major H. P. Davidson.
Indianapolis (Ind.)—Miss Amelia W. Platter.
Irving Park (Ill.)—Miss Edith Tompkins.
Joliet (Ill.)—Walter Crane.
Kalamazoo (Mich.)—S. O. Hartwell.
La Salle (Ill.)—Miss Emma Werley.
La Porte (Ind.)—Prof. J. F. Knight.
La Fayette (Ind.)—Miss Helen Hand.
Lemont, (Ill.)—S. V. Robbins.
Morgan Park (Ill.)—Robert B. Thompson.
Monmouth (Ill.)—Miss Mary Wallace.
Maywood (Ill.)—Miss Ella Andrew.
Oak Park (Ill.)—William M. Lawton.
Peoria (Ill.)—W. E. McCord.
Palatine (Ill.)—Miss Vashti Lambert.
Quincy (Ill.)—Edwin A. Clarke.
Riverside (Ill.)—Charles H. Gould.
Rockford (Ill.)—H. S. Whipple.
Rochelle (Ill.)—C. F. Philbrook.
Rogers Park (Ill.)—Mrs. E. L. Alling.

Ravenswood (Ill.)—Mrs. Anna L. Pitkin.
 Round Table (Kankakee, Ill.)—W. R. Breckenridge.
 South Evanston (Ill.)—Mrs. W. M. Green,
 Springfield (Ill.)—Supt. J. H. Collins.
 Sterling (Ill.)—Curtis Bates.
 Shurtleff College (Upper Alton, Ill.) Dr. A. A.
 Kendrick.
 Toledo (Ohio)—H. W. Compton.

Tracy (Ill.)—T. A. Dungan.
 Wheaton (Ill.)—Graham Burnham.

DISTRICT ASSOCIATIONS.

Cook County Association.—Mr. Geo. Leland Hunter,
 North State and Oak Sts., Chicago.
 Northern Illinois District Association.—Miss Flora
 Guiteau, Freeport.

AUTUMN QUARTER.

The following table exhibits the work of this Department for the Autumn and Winter Quarters. The first course of Lectures was given by Prof. Richard Green Moulton, at the All Souls Centre, beginning Sunday, October 2, 1892, on "The Literary Study of the Bible." All of the courses were of six lectures each.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
All Souls.....	R. G. Moulton.....	The Literary Study of the Bible.....	500	0	0	0
All Souls.....	Ira M. Price.....	Monumental Witnesses.....	130	9	3	0
Association.....	E. W. Bemis.....	Mouey.....	158	95	7	5
Association.....	E. W. Bemis.....	Some Methods of Social Reform.....	80	70	4	3
Drexel.....	R. G. Moulton.....	The Tempest.....	475	300	19	9
Englewood.....	R. G. Moulton.....	Literary Study of the Bible.....	450	0	0	0
Hyde Park.....	E. W. Bemis.....	Methods of Social Reform.....	130	108	2	1
Hull House.....	Nath'l Butler, Jr.....	English Literature.....	85	85	9	6
Kenwood.....	T. J. Lawrence.....	English Parties and American Independence.....	250	50	13	9
Millard Avenue.....	E. W. Bemis.....	Methods of Social Reform.....	453	325	30	22
Newberry Library.....	R. G. Moulton.....	Shakespeare's Tempest.....	49	33	6	5
Newberry Library.....	F. W. Shepardson.....	Columbus and the Discovery of America.....	400	200	5	2
Normal Park.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	40	20	2	2
Normal Park.....	E. W. Bemis.....	The Labor Question.....	90	50	4	0
Plymouth Church.....	E. W. Bemis.....	Methods of Social Reform.....	300	100	9	2
Plymouth Church.....	T. J. Lawrence.....	Some Great English Rulers.....	1200	0	0	0
People's Institute.....	R. G. Moulton.....	Literary Study of the Bible.....	135	50	3	0
St. Paul's.....	Chas. Zeublin.....	English Fiction and Social Reform.....	250	100	3	1
Sinai.....	Edward Bensly.....	Some English Poets.....	650	300	18	14
Union Park.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	350	200	10	5
Union Park.....	H. P. Judson.....	American Political History.....	450	200	44	42
University.....	R. G. Moulton.....	The Story of Faust.....	450	150	27	32
University.....	R. G. Moulton.....	Tempest.....				

CENTRES OUTSIDE OF CHICAGO.

Aurora.....	Arthur Kaiser.....	Early American History.....	150	0	0	0
Detroit.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	725	625	22	8
Elgin.....	Nath'l Butler, Jr.....	English Literature.....	124	75	4	3
Freeport.....	E. W. Bemis.....	Labor Question.....	60	30	1	0
Galesburg.....	Frederick Starr.....	First Steps in Human Progress.....	400	75	2	3
Highland Park.....	Frederick Starr.....	First Steps in Human Progress.....	100	50	20	17
Joliet.....	F. W. Shepardson.....	Christopher Columbus.....	24	10	1	1
La Salle.....	T. J. Lawrence.....	English Parties and American Independence.....	120	15	2	6
Morgan Park.....	Frederick Starr.....	Some First Steps in Human Progress.....	200	150	1	0
Oak Park.....	T. J. Lawrence.....	English Parties and American Independence.....	100	10	2	2
Peoria.....	T. J. Lawrence.....	English Parties and American Independence.....	300	40	4	2
Rochelle.....	Chas. Zeublin.....	English Fiction and Social Reform.....	100	60	2	2
Riverside.....	Edward Bensly.....	Modern English Novelists.....	65	62	0	0
Rockford.....	H. P. Judson.....	American Political History.....	75	30	2	2
Toledo.....	Edward Bensly.....	Some English Poets of the Victorian Era.....	200	75	2	2

WINTER QUARTER.

NOTE.—The following table is as complete as returns obtained from Centres render practicable.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
All Souls.....	E. G. Hirsch.....	The Talmud.....	225	0	0	0
All Souls.....	Frederick Starr.....	First Steps in Human Progress.....	150	150	1	1
All Souls.....	Frederick Starr.....	Native Races of North America.....	.....	.....	.....	.....
Association.....	Lorado Taft.....	Art at the Columbian Exposition.....	301	15	4	1
Church of Redeemer.....	O. J. Thatcher.....	Middle Ages.....	125	125	3	2
Centenary M.E. Church.....	Richard G. Moulton.....	Bible Course.....	165	0	0	0
Drexel.....	Lorado Taft.....	Art at the Columbian Exposition.....	400	.....	4	3
Drexel.....	W. M. R. French.....	Painting and Sculpture.....	200	10	4	1
Englewood.....	Ira M. Price.....	What the Monuments Tell Us Concerning the Old Testament.....	215	0	3	3
Hyde Park M.E. Church.....	Richard G. Moulton.....	Literary Study of the Bible.....	130	66	3	1
Herder Lodge.....	H. B. Grose.....	Character Studies.....	.....	.....	.....	.....
Hull House.....	O. J. Thatcher.....	History of the Middle Ages.....	25	25	3	1
Hull House.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
Hyde Park.....	Lorado Taft.....	Art at the Columbian Exposition.....	405	20	4	1
Kenwood.....	Richard G. Moulton.....	Shakespeare's "Tempest".....	250	100	17	10
Kenwood.....	Richard G. Moulton.....	Literary Study of the Bible.....	.....	.....	.....	.....
Kenwood.....	T. J. Lawrence.....	Some Great English Rulers and Statesmen.....	75	35	10	6
Kenwood.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
K. A. M.....	H. H. Grose.....	Development of European Nations.....	160	110	9	3
K. A. M.....	Charles Zeublin.....	English Fiction and Social Reform.....	50	40	2	1
Lake View.....	F. W. Shepardson.....	The Discovery of America.....	75	75	3	2
Memorial.....	Edward Bensly.....	English Essayists.....	265	.....	4	6
Memorial.....	C. R. Henderson.....	Social Science.....	75	75	.....	0
Newberry Library.....	W. H. Mace.....	American Revolution.....	.....	.....	.....	.....
Newberry Library.....	Richard G. Moulton.....	Literary Study of the Bible.....	305	139	29	16
Newberry Library.....	J. P. Gordy.....	History of Political Parties in the United States..	64	49	7	2
Newberry Library.....	Edward Bensly.....	English Novelists.....	157	80	17	10
Newberry Library.....	Edward Bensly.....	Literature of the Victorian Era.....	.....	.....	.....	.....
Newberry Library.....	Lorado Taft.....	Art at the Columbian Exposition.....	337	34	6	2
Newberry Library.....	Ira M. Price.....	What the Monuments Tell Us Concerning the Old Testament.....	.....	.....	.....	.....
Owen Scientific.....	Frederick Starr.....	First Steps in Human Progress.....	.....	.....	.....	.....
People's Institute.....	Ira M. Price.....	What the Monuments Tell Us Concerning the Old Testament.....	800	0	0	0
Plymouth.....	Richard G. Moulton.....	Shakespeare's "Tempest".....	400	200	13	3
Plymouth.....	Richard G. Moulton.....	The Story of Faust.....	400	200	15	9
Plymouth.....	W. M. R. French.....	Painting and Sculpture.....	.....	.....	.....	.....
Rogers Park.....	Frederick Starr.....	Native Races of North America.....	175	150	9	10
Rogers Park.....	Lorado Taft.....	Art at the Columbian Exposition.....	150	30	5	3
Sinai.....	E. W. Bemis.....	Social Reforms.....	.....	.....	.....	.....
Sinai.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
St. James.....	Nathaniel Butler, Jr.....	English Literature.....	250	100	13	32
St. Pauls.....	Nathaniel Butler, Jr.....	English Literature.....	80	75	3	5
St. Pauls.....	Lorado Taft.....	Art at the Columbian Exposition.....	.....	.....	.....	.....
Union Park.....	E. W. Bemis.....	Social Reforms.....	75	50	.....	.....
Union Park.....	Nathaniel Butler, Jr.....	English Literature.....	150	125	8	9
Union Park.....	H. P. Judson.....	American Political History.....	350	200	10	5
University.....	Richard G. Moulton.....	Literary Interpretation.....	350	200	34	9
University.....	Richard G. Moulton.....	Spenser and Milton.....	350	200	33	34
Wicker Park.....	Charles Zeublin.....	The Industrial Revolution.....	173	136	3	2
Ravenswood.....	Lorado Taft.....	Art at the Columbian Exposition.....	358	0	0	0

WINTER QUARTER (Continued).

CENTRES OUTSIDE OF CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
Austin	H. B. Grose	Development of the European Nations .....	..	..	..	..
Austin	Lorado Taft	Art at the Columbian Exposition .....	..	..	..	..
Arlington Heights	H. B. Grose	Development of the European Nations	180	120	13	7
Barrington	H. B. Grose	Character Studies .....	..	..	..	..
Blue Island	Frederick Starr	Some First Steps in Human Progress	175	160	6	4
Decatur	Edward W. Bemis	The Labor Question	60	45	0	0
Detroit	Edward W. Bemis	The Labor Question	75	60	2	1
East Chicago	O. J. Thatcher	History of the Middle Ages	50	50	0	0
Flint	Edward W. Bemis	The Labor Question	106	92	3 $\frac{3}{4}$	3
Irving Park	Frederick Starr	First Steps in Human Progress	175	0	2	7
Irving Park	Frederick Starr	Native Races of North America	150	75	12	8
Kalamazoo	T. J. Lawrence	English Parties and American Independence .....	..	..	..	..
Kankakee	R. D. Salisbury	Landscape Geology	100	95	14	6
Kankakee	Charles Zeublin	English Fiction and Social Reform	75	75	6	3
Knox College	H. P. Judson	American Political History	275	..	..	..
Lafayette	Nath'l Butler, Jr.	English Literature	175	75	10	..
La Porte	H. B. Grose	Development of the European Nations	85	85	7	4
La Salle	H. L. Russell	Bacteriology	80	80	1 $\frac{1}{2}$	2
Monmouth	O. J. Thatcher	History of the Middle Ages .....	..	..	..	..
Oak Park	Richard G. Moulton	Shakespeare's Tempest	223	150	9	3
Oak Park	Lorado Taft	Art at the Columbian Exposition .....	..	..	..	..
Peoria	Edward Bensly	Four English Novelists .....	..	..	..	..
Peoria	E. W. Bemis	Money	100	35	..	1
Palatine	E. W. Bemis	Some Methods of Social Reform	70	60	1	1
Quincy	H. B. Grose	Development of European Nations	235	170	7	4
Riverside	Edward Bensly	English Essayists from Bacon to Lamb	265	0	4	6
Rockford	H. P. Judson	American Political History	175	125	..	3
Rockford	Frederick Starr	The Native Races of North America	230	230	6	6
Springfield	Edward Bensly	English Novelists	175	150	3	2
Springfield	W. H. Mace	The American Revolution	200	180	22	3
Shurtleff College	W. H. Mace	The American Revolution	150	..	15	9
Sterling	Charles Zeublin	English Fiction and Social Reform	200	175	5	1
South Evanston	Lorado Taft	Art at the Columbian Exposition	300	0	0	0
Toledo	E. W. Bemis	Social Reforms	100	50	3	0
Wheaton	Charles Zeublin	English Fiction and Social Reforms	160	85	3	2
Wheaton	H. B. Grose	Character Studies in Modern History .....	..	..	..	..

SPRING QUARTER.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
University	S. W. Stratton	Heat	15	15	..	..

CENTRES OUTSIDE OF CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
Lemont	Lorado Taft	Art at the Columbian Exposition	200	..	1	1

The catholicity of the work of University Extension is shown by the fact that in the above list are included Centres formed in churches of nearly every denomination: Baptist, Congregationalist, Jewish, Methodist, Presbyterian, Roman Catholic, Unitarian, and Universalist. Centres have also been formed and courses given at the rooms of the Young Men's Christian Association, the Hull House, the Newberry Library, the Joliet Steel Works Club. In addition to these there are Centres grouped about no previously existing organization. These are found especially in the large towns outside of Chicago.

With but two exceptions, these courses have been given in the evening. Afternoon lectures were given during the Autumn and Winter Quarters, at the University Chapel, by Professor Moulton. A six weeks' course of afternoon lectures was also given by Professor Butler, at the Centre connected with the St. James Roman Catholic Church.

The Cook County District Association was organized on Saturday, November 19, 1892, at a meeting held at the Grand Pacific Hotel, in answer to a call sent out by the Union Park, Plymouth, and Newberry Library Centres for University Extension.

At the second meeting, Saturday, November 26, officers were chosen as follows:

President, Chas. E. Boynton, of the Plymouth Centre; Vice-president, D. H. Fletcher, of the All Souls' Centre; General Secretary, George Leland Hunter (address at Newberry Library); financial secretary, Louis J. Block, of the Union Park Centre. These officers, with Charles H. Smith and J. D. Everett, constitute the Executive Committee. While this Association has no organic connection with the University, its organization is the outgrowth of the work of this Division. Its purpose is to unify and promote the interests of University Extension in Cook County.

The Northern Illinois District Association was organized on Friday, April 28, 1893, at a meeting held at the Y. M. C. A. parlors, in Freeport. Mr. William T. Eaton, of Rockford, was made President; Miss Flora Guiteau, of Freeport, Secretary. An Executive Committee was chosen, consisting of the President, the Secretary, and Mr. Alfred Bayliss, Sterling; Mr. O. B. Bidwell, Freeport; Mr. C. F. Philbrook, Rochelle; Mrs. Agnes Clark Willey, Aurora. The purposes of this Association, and its relation to the University are, in general, similar to those of the Cook County Association, already explained.

The following is a complete list of Syllabi published for the lecture-study courses:

NO.		PAGES.	CTS.
1	Butler: English Literature.....	20	10
2	Lawrence: English Parties and American Independence.....	10	20
3	Bemis: Money.....	16	10
4	Moulton: The Story of Faust.....	14	10
5	Bemis: The Labor Question.....	20	15
6	Kaiser: American History: The Land and People Discovered.....	12	10
7	Moulton: Shakespeare's Tempest.....	30	15
8	Moulton: The Literary Study of the Bible.....	74	25
9	Shepardson: Christopher Columbus and the Discovery of America.....	18	10
10	Moulton: Stories as a Mode of Thinking.....	22	10
11	Lawrence: Some Great English Rulers and Statesmen.....	24	15
12	Kaiser: American History, the Discoverers.....	12	10
13	Judson: American Politics: The Period of Dominant Foreign Influence.....	10	10
14	Starr: Some First Steps in Human Progress.....	16	10
15	Bemis: Some Methods of Social Reform.....	18	10
16	Bensly: Four English Novelists.....	32	15
17	Zeublin: English Fiction and Social Reform.....	12	10
18	Bensly: Some English Poets of the Victorian Era.....	30	15
19	Grose: The Development of the European Nations.....	14	10
20	Mace: The American Revolution.....	72	20
21	Price: What the Monuments tell us relative to the Old Testament.....	16	10
22	Thatcher: Beginnings of the Middle Ages.....	10	10
23	Grose: Character Studies in Modern History.....	12	10
24	Taft: Art at the Columbian Exposition.....	24	15
25	Starr: The Native Races of North America.....	12	10
26	Hirsch: Religion in the Talmud.....	12	10
27	Bensly: English Essayists, from Bacon to Lamb.....	18	15
28	Salisbury: Landscape Geology.....	16	10
29	Moulton: Interpretative Studies in Spenser and Milton.....	30	15
30	Moulton: Literary Criticism and Theory of Interpretation.....	16	10
31	Henderson: A Problem in Sociology.....	8	10
32	Judson: American Politics: The Period of Dominant Internal Development.....	—	10
33	French: Painting and Sculpture.....	—	—
34	Gordy: The History of Political Parties in the United States.....	12	10
35	Russell: General Course in Bacteriology.....	16	10
36	Zeublin: The Industrial Revolution.....	12	10
37	Stratton: Heat.....	15	10

CLASS-WORK DEPARTMENT.

The Class-work Department has provided instruction in various courses similar in plan and content to those given in the Academy and University proper. In the absence of room in the already crowded quarters of Cobb Lecture Hall, and to meet the demands of students in distant parts of the city, it was originally designed to offer the courses wherever classes of ten or more would organize and provide a room.

This proved in the Autumn Quarter to be so unsystematic that it was announced that classes would be organized on the South Side at Cobb Lecture

Hall, on the North Side at the Newberry Library, and on the West Side at the Chicago Academy. This was made possible through the courtesy of the trustees of the Library and the principals of the Academy. From the first the work has been confined to Chicago. The classes which began in the Autumn Quarter all of which continued into the Winter Quarter were: English Literature, Instructor, Mr. Triggs, eleven members at the North Division High School; Geology, Professor Salisbury, eighteen members; French, Mr. Kinne, eleven members, at the Englewood Universalist church; History, Mr. Perrin, ten members, at Irving Hall, Irving Park. The classes of the Winter Quarter which began the first week in January, all met at Cobb Lecture Hall, except Mr. Boyer's class in Biology, thirteen members, at the Englewood High School. The other classes were: English Literature, Mr. Triggs, six members; Latin, Professor Hale, thirty-four members; Geology, Professor Salisbury, eight members; Latin, Mr. Orr, four members; Physics, Mr. Cornish, four members; Algebra, Dr. Young, ten members.

Through the kindness of the Board of Education the laboratory of the Englewood High School was used by the class in Biology, and the laboratory of the West Division High School was offered for a class in Chemistry. The Kenwood Observatory was also placed at the disposal of the department.

Of the students who presented themselves for examination, the following passed successfully: In Algebra, three; Biology, ten; Geology, six; English, eight and two respectively; Latin, twelve.

It is a matter of interest that courses have been offered by graduate students, assistants, docents, instructors, professors, and head professors. Among the students have been "all sorts and conditions of men" and women—teachers in all grades of public and private schools, undergraduate and graduate college students, two graduates of German Universities, business men and women, lawyers, physicians, dentists, clerks, stenographers, janitors, electricians, mechanics, and others.

The Calendar for the Winter Quarter announced twenty courses of Academy instruction, eighteen Academic College courses, and nineteen University College courses, thus providing a very wide range for selection. Eleven classes were organized in the Autumn and Winter Quarters and ninety-five students matriculated. A number of students have taken two courses, all of the courses being minors. The majority of those who matriculated may be considered permanent students, some of them planning already to enter the University proper.

CORRESPONDENCE DEPARTMENT.

The Correspondence Department has provided instruction in Academy, Academic College, University College, and Graduate School studies for non-resident students who have found it impossible to secure class room privileges. These students are situated in many states in this country, and in a number of foreign lands as well.

Students have been enrolled as follows: In the Academy—Latin, two; Mathematics, one. In the Academy College—Political Economy, one; English, twelve; Latin, one; Mathematics, three; History, three. In the University College—Psychology, five; Sanskrit, one; Mathematics, one. In the Graduate School—History, five; Semitic Languages, two; Mathematics, three; German, three. Unclassified Students—Biblical Literature in English, twenty-eight; Semitic Languages, two hundred and fifty-three; New Testament Greek, ninety-three.

Courses of instruction have been offered as follows: In the Academy, sixteen Majors and one Minor; in the Academic College, nine Majors and nine Minors; in the University College, eleven Majors and fifteen Minors—a total of sixty-one courses, thirty-six being Majors and twenty-five Minors.

There are now enrolled six hundred and eighty-eight students who are receiving instruction in twenty-five different courses.

THE LIBRARY DEPARTMENT.

Through the Library Department an attempt has been made to supplement the lecture-studies by furnishing select libraries of books, where the nature of the subject permitted and the lecturer expressed a wish for such aid.

Sixty such libraries have been issued, the number of volumes in each varying from thirteen to forty-five, the total number of titles being eleven hundred. These have been packed in specially designed boxes, strongly made of wood, measuring 26 inches by 18 by 7½. Each of the boxes is fitted with sliding shelves, so as to allow shelf-room of 8, 10¼ and 12½ inches. In many places these boxes have been used as temporary book cases. They have hinged lids, fastened by bolts and screw nuts, this arrangement doing away with any need for lock or screws or nails.

The following list, representing a library on "Methods of Social Reform," will serve as a type of a traveling library.

Report of the Commissioner of Education, 1888-9, two copies. *Reports of the Commissioner of Labor, 1886-90*, six copies. *Report of the Minnesota Bureau*

of *Labor Statistics*, one copy. *Report of the Postmaster-General*, 1891, one copy. Taylor: *The Modern Factory System*, one copy. Morrison: *Crime and its Causes*, one copy. Booth: *Pauperism, and the Endowment of Old Age*, one copy. Weeks: *Labor Differences and their Settlement*, one copy. Dexter: *Coöperative Building and Loan Associations*, one copy. Riis: *The Children of the Poor*, one copy. Smith: *Emigration and Immigration*, one copy. Ellis: *The Criminal*, one copy. Jevons: *The State in Relation to Labor*, one copy. Loch: *Charity Organization*, one copy. Winter: *The Elmira Reformatory*, one copy. DuCane: *Punishment and Prevention of Crime*, one copy. Hobson: *Problems of Poverty*, one copy. Lowell: *Public Relief and Private Charity*, one copy. Giffen: *Progress of the Working Classes in the Last Half Century*, one copy. *Report of Ohio Board of Charities*, 1890, one copy. *Report of Minnesota Board of Charities*, 1890, one copy. *Report of the Massachusetts Commissioner of Savings Banks*, one copy. *Report of New York Board of Charities*, 1890, one copy. *Report of the Illinois Penitentiary at Joliet*, one copy. *Report of the Southern Illinois Penitentiary at Chester*, one copy. *Report of the New York Charity Organization*, one copy. *Twelfth Annual Report of the Boston Associated Charities*, one copy. Wanamaker: *Argument for Postal Savings Banks*, one copy. Wanamaker: *Additional Argument for Postal Savings Banks*, one copy. *Report on Coöperative Credit Associations in Certain European Countries*, one copy. *Report of the Minneapolis Board of Education*, 1891, one copy. *Report of the Toledo Public Schools*, one copy. *Fourteenth Annual Report of the Buffalo Charity Society*, two copies. *Journal of Social Science*, October, 1891, one copy.

Total number of volumes—forty-one.

With each one of the libraries was sent out a copy of the Report of the First Annual Conference of University Extension workers held in Philadelphia in 1891, a copy of "Eighteen Years of University Extension," a copy of "University Extension, Past, Present, and Future," a copy of the Quarterly Calendar of the University Extension Division of the University of Chicago, and several copies of *The University Extension World*. The list of books shows at once that no attempt at an exhaustive bibliography was made, but that the idea always uppermost was to supply books which would best meet the needs of the actual workers. The stimulation and encouragement of the paper-writing class was considered of the utmost importance.

THE TRAINING DEPARTMENT.

The Training Department provides facilities whereby graduate students may acquaint themselves with the various aspects of the movement. Its work will necessarily be limited until the organization, in the University proper, of the Department of Pedagogy.

The University Extension Seminary, consisting of eleven members, has met fortnightly during the Winter Quarter. The following subjects have been presented and discussed at its meetings: The Place of University Extension in American Education; The Lecturer and His Work; The Development of the Extension Movement in England; The University Extension Division of the University of Chicago; University Extension Students; The Function of the Local Centre; The Relation of the Lecturer to the Local Centre; The Function of the Lecture and the Syllabus; The Function of the Class; The Function of the Weekly Exercises.

A number of the members of the Seminary have taken advantage of the facilities for acquainting themselves with the practical side of the work. They have attended the courses of experienced lecturers, performed the weekly exercises, and assisted in the conduct of the classes. Several have prepared a course of lectures and a syllabus therefor.

THE EDITORIAL DEPARTMENT.

The University Extension World was established in January, 1893, as the official organ of this Division, and the medium of communication between it and the Centres. It is a monthly Magazine, and in its first volume published articles of special interest, as follows: The Chautauqua System of Education, University Extension and the Summer School, University Extension and the Public Library, University Extension and the Problems of Secondary Training, The Teachers in the Public Schools and University Extension, The Summer Schools of Harvard University, The American Institute of Sacred Literature, Some Results of Correspondence Work in Hebrew, The Rise of Universities and their Latest Development, University Extension in the State Agricultural Colleges, Summer Study in the University of Virginia, Fundamental Principles of University Extension—(1) Spontaneity—(2) Elasticity; besides various accounts of University Extension work in Kansas, Indiana, New York, Pennsylvania, and Michigan.

In addition, it published many articles of special interest to University Extension officials, beginning

with the famous letter addressed by James Stuart to the University of Cambridge, which resulted in the establishment of University Extension. A few titles follow: The Local Secretary, An Address to Local Committees, The Lecturer and the Centre, The Traveling Library, Study and Teaching by Correspondence, The University Extension Division of the University of Chicago, Students' Clubs, The Work of a District Association in England, Talks with Lecturers, Suggestions for Centres, Sequence in Extension Work, The Weekly Exercises, and a report of the accomplishments of one committee. What we Did at Sterling.

Beginning with the second volume, the first number of which appeared in July, the magazine was changed from the quarto form to the more convenient and attractive octavo. Each month there is presented an engraving of a leading Extension lecturer, the needs of Extension students are being carefully studied, and the design is to furnish to all interested in University Extension the best ideas upon the subject, and the latest news connected with the movement in the world, but more especially in the Western States of America.

PART VI.—PERIODICALS AND BOOKS PUBLISHED BY THE UNIVERSITY PRESS OF CHICAGO.

DECEMBER, 1892 TO JULY, 1893.

THE JOURNAL OF POLITICAL ECONOMY.

(QUARTERLY).

Table of Contents, December, 1892, number.

Study of Political Economy in the United States—J. Laurence Laughlin. *Recent Commercial Policy of France*—Émile Levasseur. *Rodbertus's Socialism*—E. Benj. Andrews. *Price of Wheat Since 1867*—Thorstein B. Veblen. NOTES. BOOK REVIEWS. APPENDICES.

Table of Contents, March, 1893, number.

Free Coinage of Silver—Francis A. Walker. *Railway Policy of Russia*—Gustav Cohn. *Discontent of the Farmer*—Edward W. Bemis. *Crisis of 1890*—Max Wirth. *Economics at Berlin and Vienna*—H. R. Seagar. NOTES. BOOK REVIEWS.

Table of Contents, June, 1893, number.

Development of Scandinavian Shipping—A. N. Kiaer. *Food Supply and the Price of Wheat*—Thorstein B. Veblen. *Resumption of Specie Payments in Austria-Hungary*—F. von Wieser. *Paper Currencies in New France*—R. M. Breckinridge. NOTES. BOOK REVIEWS.

THE BIBLICAL WORLD.

(MONTHLY).

Table of Contents, January, 1893, number.

EDITORIAL. *What is Biblical Theology, and What is Its Method*—Prof. George B. Stevens. *Saul's Experience on the way to Damascus*—Prof. Ernest D. Burton. *Recent Movements in the Historical Study of Religions in America*—Prof. Morris Jastrow, Jr., Ph.D. *An Important Discovery of MSS.*—Lester Bradner, Jr., Ph.D. *The American Institute of Sacred Literature*—C. E. Crandall. *Historical Studies in the Scripture Material of the International Lessons*—Associate Prof. George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. BIBLIOGRAPHY.

Table of Contents, February, 1893, number.

EDITORIAL. *The newly Discovered Apocryphal Gospel of Peter*—Isaac H. Hall, Ph.D. *The Expansion of Judaism*—Oliver J. Thatcher. *Theological Instruc-*

tion in Switzerland. I—Rev. P. W. Snyder. *Messianic Prophecy in the Book of Job*—Prof. E. L. Curtis, Ph.D. *The American Institute of Sacred Literature*—C. E. Crandall. *Historical Studies in the Scriptural Material of the International Lessons*—Associate Prof. George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. CURRENT LITERATURE.

Table of Contents, March, 1893, number.

EDITORIAL. *The Story of the Spies: A Study in Biblical Criticism*—Assistant Prof. Philip A. Nordell, D.D. *Theological Instruction in Switzerland. II*—Rev. W. P. Snyder. *The Fourth Gospel*—Prof. Alfred W. Anthony, A.M. *The Fundamental Thought and Purpose of the Gospel of Matthew*—Prof. Robert Kubel. *The American Institute of Sacred Literature.*—C. E. Crandall. *Historical Studies in the Scriptural Material of the International Lessons*—Associate Prof. George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY—Charles F. Kent, Ph.D. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. BIBLIOGRAPHY.

Table of Contents, April, 1893, number.

EDITORIAL. *The Social Philosophy of the Royal Prophet Isaiah*—Chas. F. Kent, Ph.D. *The Fundamental Thought and Purpose of the Gospel of Matthew*—Professor Robert Kübel (tr. by Rev. H. B. Hutchins). *The Tabernacle*—Professor James Strong, S.T.D. *Theological Instruction in Switzerland. III*—Rev. P. W. Snyder. *The American Institute of Sacred Literature*—C. E. Crandall. *Studies in the Wisdom Books of the International Lessons; The Book of Job*—George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. BIBLIOGRAPHY.

Table of Contents, May, 1893, number.

EDITORIAL. *"The Story of the Spies"*—once more—Professor William Henry Green, D.D. *The Old Testament Quotation in Matthew xxvii, 9, 10*—Hugh Ross Hatch. *Professor Kamphausen on the Book of Daniel*—Professor John D. Prince. *The New Greek Enoch Fragments*—Professor George H. Schodde, Ph.D.

The American Institute of Sacred Literature—C. E. Crandall. *Studies in the Wisdom Books of the International Lessons*; *The Book of Proverbs*—Associate Professor George S. Goodspeed, Ph.D. EXPLORATION AND DISCOVERY. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. BIBLIOGRAPHY.

Table of Contents, June, 1893, number.

EDITORIAL. *The Teaching of Jesus and the Teaching of the Jews in the time of Christ concerning the Messiah and his Kingdom*—Professor H. M. Scott, D.D. *Aresta, the Bible of Zoroaster*—Professor A. V. W. Jackson, Ph.D. *The First Written Gospel*; *Results of Some Recent Investigations*—Lester Bradner, Jr., Ph.D. *Theological Instruction in Switzerland, IV*—Rev. P. W. Snyder. *The American Institute of Sacred Literature*—C. E. Crandall. *Studies in the Wisdom Books of the International Lessons*; *Eetesistes*—Associate Professor George S. Goodspeed. EXPLORATION AND DISCOVERY. SYNOPSIS OF IMPORTANT ARTICLES. NOTES AND OPINIONS. WORK AND WORKERS. BOOK REVIEWS. CURRENT LITERATURE.

THE UNIVERSITY EXTENSION WORLD.

(MONTHLY).

Table of Contents, January, 1893, number.

NOTES AND NEWS. *The Chautauqua System of Education*—George E. Vincent, A.M. *University Extension and the Summer School*—J. Max Mark, D.D. *University Extension and the Public Library*—Louis Bevier, Jr., A.M. *The Present of College Affiliation*—Charles F. Kent, Ph.D. *An Experiment in Mill Villages*—Henry E. Bourne, A.M. *The American Institute of Sacred Literature*—G. L. Chamberlin. *The Traveling Library*. EDITORIAL.

Table of Contents, February, 1893, number.

NOTES AND NEWS. *The Local Secretary*—Jessie D. Montgomery. *Students' Clubs*—Thos. J. Lawrence, LL.D. *The University Extension Division of the University of Chicago*—George Henderson, Ph.B. *The Summer Schools of Harvard University*—N. S. Shaler. *The Teachers in the Public Schools and University Extension*—William O. Sproul, A.M. *The University and Workingmen's Clubs*—Walter Crane. EDITORIAL. *Cambridge University Letter*. *The Cambridge University Summer Meeting*. *University Extension at Colgate University*. *The National Conference on University Extension*. *Epistolary Opinions*. *Typical Centres*. *Local Organizers' Column*. *Students' Column*. *New Lecture-Study Courses*. *Evening and Saturday Classes*. *Courses of Lecture-*

Studies for Chicago and Cook County. *The University Extension Division of the University of Chicago*.

Table of Contents, March, 1893, number.

NOTES AND NEWS. *The Rise of Universities and their Latest Development*—Jessie D. Montgomery. *An Address to Local Committees*—Richard G. Moulton. *The Lecturer and the Centre*—Francis N. Thorpe. *The Foundation Stone, 1871*—James Stuart. *The Traveling Library and the Way to Use It*—Francis W. Shepardson. *Home Study and Teaching by Correspondence*—Oliver J. Thatcher. EDITORIAL. *From our London Correspondent*. *Notes from Oxford*. *Typical Centres*—Germantown. *University of the State of New York*. *Suggestions for Centres*. *Selected List of Magazine Articles for Students*. *Saturday and Evening Classes*.

Table of Contents, April, 1893, number.

Fundamental Principles of University Extension; *Spontaneity*—Jessie D. Montgomery. *University Extension in the State Agricultural Colleges*—Louis Bevier, Jr. *University Extension and the Problem of Secondary Training*—J. J. Findlay. *Sequence in Extension Work*—Samuel Wagner. *University Extension in Kansas*—F. W. Blackmar. *Talks with Lecturers*—Richard G. Moulton. *Suggestions for Centres*—*University Extension Nomenclature*. *Reviews of Magazines*.

Table of Contents, May, 1893, number.

The Work of a District Association in England—Beatrice Vivian. *The Summer Meeting*, Edward T. Devine. *Some Results of Correspondence Work in Hebrew*—C. E. Crandall. *What We Did at Sterling*, W. W. Davis. *University Extension in Colby University*—EXTENSION NOTES. *The Students' Association of Germantown, Pa.* *Monteagle Assembly and Summer Schools*—J. I. D. Hines, Ph.D. *The Lancashire and Cheshire Association for the Extension of University Teaching*. EDITORIAL. *The Work and the Workers*. *District Association Organized*. *Talks with Lecturers*—Richard G. Moulton. *From Our London Correspondent*. *Selected List of Magazine Articles*.

Table of Contents, June, 1893, number.

Fundamental Principles of University Extension Elasticity—Jessie D. Montgomery. *The Chautauqua Session of 1893*—G. E. Vincent. *Summer Study in the University of Virginia*—John B. Minor, Jr. *The Weekly Exercises*—C. G. Wells. EDITORIAL. *The Work and the Workers*. *University Extension and Workingmen*. *Talks with Lecturers*—Richard G.

Moulton. *Suggestions for Centres*—Nathaniel Butler, Jr. *The University of Chicago*—H. B. Grose. *A Select List of Magazine Articles*—C. N. Zeublin.

JOURNAL OF GEOLOGY.

(SEMI-QUARTERLY.)

Table of Contents, January-February, 1893, number.

On the Pre-Cambrian Rocks of the British Isles—Sir Archibald Geikie. *Are there Traces of Glacial Man in the Trenton Gravels?*—W. H. Holmes. *Geology as Part of a College Curriculum*—H. S. Williams. *The Nature of the Englaial Drifts of the Mississippi Basin*—T. C. Chamberlin. STUDIES FOR STUDENTS: *Distinct Glacial Epochs and the Criteria for their Recognition*—Rollin D. Salisbury. EDITORIALS. REVIEWS.

Table of Contents, February-March, 1893.

Historical Sketch of the Lake Superior Region to Cambrian Time—C. R. Van Hise. *Glacial Succession in Ohio*—Frank Leverett. *Volcanic Rocks of the Andes*—Joseph P. Iddings. *Traces of Glacial Man in Ohio*—W. H. Holmes. *On the Terms Poikilitic and Micropoikilitic*—G. H. Williams. *The Making of the Geographical Time Scale*—H. S. Williams. EDITORIALS.

Table of Contents, April-May, 1893.

Malaspina Glacier—I. C. Russell. *Osar Gravels of the Coast of Maine*—G. H. Stone. *The Horizon of Drumlin Osar and Kame Formation*—T. C. Chamberlin. *A Contact between the Lower Nuronian and the Underlying Granite in the Republic Trough, near Republic, Mich.*—H. L. Smith. *A Pleistocene Manganese Deposit, near Golconda, Nevada*—R. A. F. Penrose, Jr. *The Elements of the Geological Time Scale*—H. S. Williams. EDITORIALS.

HEBRAICA.

Table of Contents, April-July, 1893, number.

On an Unpublished Cylinder of Esarhaddon—S. Arthur Strong. *The Calendar of Enoch and Jubilees*—Benjamin Wisner Bacon. *A Charm Worth Reading*—Isaac H. Hall. *Old Persian Names in Babylonian Contracts*—Theo. G. Pinches. *The Views of Jehuda Halevi concerning the Hebrew Language*—W. Bacher. *The Voirel-Points Controversy*—Rev. B. Pick, Ph.D. *The Pentateuchal Question. IV. Ex. 13-Deut. 34*—Prof. W. Henry Green. BOOK NOTICES.

BOOKS.

Assyrian and Babylonian Letters belonging to the K Collection of the British Museum—Robert Francis Harper.

APPENDICES.

ORDER OF EXAMINATIONS FOR ADMISSION.

SEPTEMBER, 1893.

TUESDAY, SEPTEMBER 26.

MORNING.

Latin 3)	-	-	-	-	-	-	9:00—10:00
Latin 1)	-	-	-	-	-	-	10:00—10:45
History of the United States	-	-	-	-	-	-	10:45—11:30
History of Greece	-	-	-	-	-	-	11:30—12:15
Latin 2)	-	-	-	-	-	-	12:15—12:45

AFTERNOON.

Advanced German	-	-	-	-	-	2:00—4:00
Elementary German	-	-	-	-	-	2:00—3:00
Greek 4)	-	-	-	-	-	3:00—4:00
Algebra	-	-	-	-	-	4:00—5:00

WEDNESDAY, SEPTEMBER 27.

Greek 3)	-	-	-	-	-	9:00—10:00
Advanced French	-	-	-	-	-	9:00—11:00
Elementary French	-	-	-	-	-	10:00—11:00
Greek 1)	-	-	-	-	-	11:00—12:15

English	-	-	-	-	-	2:00—3:30
Solid Geometry	-	-	-	-	-	3:30—4:15
History of Rome	-	-	-	-	-	4:15—5:00

THURSDAY, SEPTEMBER 28.

Plane Geometry	-	-	-	-	-	9:00—10:00
Physics	-	-	-	-	-	10:00—12:00

Latin 4)	-	-	-	-	-	1:30—2:45
Latin 5)	-	-	-	-	-	2:45—3:30
Greek 2)	-	-	-	-	-	3:30—4:00
Geology, Astronomy, Physiography	-	-	-	-	-	1:30—2:30
Biology	-	-	-	-	-	2:30—3:30
Chemistry	-	-	-	-	-	3:30—5:30

ENTRANCE EXAMINATIONS, DECEMBER, 1893. DECEMBER 20, 21, and 22.

ENTRANCE EXAMINATIONS, MARCH, 1894. MARCH 22, 23, and 24.

ENTRANCE EXAMINATIONS, JUNE, 1894. JUNE 21, 22, and 23

STATED MEETINGS.

THE BOARD OF TRUSTEES holds stated meetings on the last Tuesday of each month.

THE VARIOUS FACULTIES hold stated meetings as follows:

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE, on the third Thursday.

THE FACULTY OF THE DIVINITY SCHOOL on the second Thursday.

THE UNIVERSITY EXTENSION FACULTY, on the first Thursday.

THE SENATE holds stated meetings on the first Friday.

THE COUNCIL holds stated meetings on the second Friday.

THE UNIVERSITY ADMINISTRATIVE BOARDS hold stated meetings monthly as follows:

OF THE UNIVERSITY PRESS, on the third Friday.

OF LIBRARIES, LABORATORIES, AND MUSEUMS, on the fourth Friday.

OF AFFILIATION, on the fourth Thursday.

OF PHYSICAL CULTURE AND ATHLETICS, on the first Thursday.

THE FACULTY ADMINISTRATIVE BOARDS hold stated meetings as follows:

OF THE ACADEMIC COLLEGES, on the first Wednesday.

OF THE UNIVERSITY COLLEGES, on the second Wednesday.

OF THE OGDEN GRADUATE SCHOOL OF SCIENCE, on the third Wednesday.

OF THE GRADUATE SCHOOL OF ARTS AND LITERATURE, on the fourth Wednesday.

THE REGULAR UNIVERSITY EXAMINATIONS are held in each subject at the hour of the last exercise of the term (or the quarter) in that subject. EXAMINATIONS FOR ADVANCED STANDING will be held on the second day of each quarter.

THESES OF CANDIDATES for higher degrees must be presented two months before the end of the student's work.

NOTE 1.—Term examinations will be held regularly in the middle and at the end of each Quarter.

OFFICIAL PUBLICATIONS OF THE UNIVERSITY OF CHICAGO.

The **University Register** is issued about May 1 of each year. It contains a full statement in respect to the organization of the University, the Faculties, the Courses offered during the year, lists of students, requirements for admission, regulations governing the various schools and colleges of the University, an historical statement concerning the University, University clubs and organizations, etc.

The **University Calendar** is issued about the first day of May, August, November, February, and contains an historical statement of the University work of the preceding quarter, the Registration of Students during the quarter, and lists of courses of instruction to be offered during succeeding quarters.

The **Circular of Information** concerning the departments of Arts, Literature, and Science contains full information as to admission to the Schools and Colleges of these departments and lists of the courses given.

The **Circular of Information of the Divinity School** contains all information concerning the Divinity School courses, admission, etc.

The **Circular of Information of the University Extension Division** contains lists of lecturers, and courses offered, statement of correspondence work, class work, etc.

Departmental Programmes are issued by many of the departments of instruction, and give fuller details of the work of the departments than can be given in the Register or the Calendars.

DIRECTORY OF OFFICERS AND INSTRUCTORS.

ABBREVIATIONS.

C-----Cobb Lecture Hall.
a, b, c, d-----1st, 2d, 3d and 4th floors of Cobb Lecture Hall.
S-----Science Hall, cor. 55th St. and Lexington Av.
Numerals-----Numbers of rooms.

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QUARTERLY CALENDAR

OF

The University of Chicago

FOUNDED BY JOHN D. ROCKEFELLER

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CHICAGO

The University Press of Chicago

1893

CALENDAR FOR 1893-4.

July 1.	Saturday	THE SUMMER QUARTER is omitted in 1893.	Jan. 8.	Sunday	THE CONVOCATION SERMON.
Sept. 26-28.	Tuesday Wednesday Thursday	AUTUMN EXAMINATIONS for admission to the Academic Colleges.	Feb. 1.	Thursday	LAST DAY for handing in Theses for the Master's Degree, to be conferred at the April Convocation.
Sept. 29-30.	Friday Saturday	REGISTRATION of students for the courses of the Autumn Quarter.	Feb. 10.	Saturday	WINTER MEETING of the University Union.
Oct. 1.	Sunday	FIRST TERM of Autumn Quarter begins.	Feb. 11.	Sunday	FIRST TERM of Winter Quarter ends.
Oct. 2.	Monday	AUTUMN MEETING of the University Convocation. Matriculation of new students.	Feb. 12.	Monday	SECOND TERM of Winter Quarter begins.
Nov. 10.	Friday	MEMBERSHIP ELECTION in the University Houses.	Feb. 22.	Thursday	Washington's birthday; a holiday.
Nov. 11.	Saturday	FIRST TERM of Autumn Quarter ends.	Mar. 21-23.	Wednesday Thursday Friday	SPRING EXAMINATIONS for admission to the Academic Colleges. University examinations for the Spring Quarter.
Nov. 12.	Sunday	SECOND TERM of Autumn Quarter begins.	Mar. 25.	Sunday	SECOND TERM of Winter Quarter ends.
Nov. 18.	Saturday	SCHOOL AND COLLEGE CONFERENCE at the University of Chicago.	Mar. 26-Apr. 1.		Quarterly Recess.
Nov. 24.	Friday	LAST DAY for handing in registration cards for the Winter Quarter.	April 1.	Sunday	FIRST TERM of Spring Quarter begins.
Nov. 30.	Thursday	Thanksgiving Day; a holiday.	April 2.	Monday	SPRING MEETING of the University Convocation, Matriculation of new students.
Dec. 9.	Saturday	AUTUMN MEETING of the University Union.			LAST DAY for receiving applications for fellowships.
Dec. 20-22.	Wednesday Thursday Friday	WINTER EXAMINATIONS for admission to the Academic Colleges. University examinations for the Winter Quarter.	May 12.	Saturday	FIRST TERM of Spring Quarter ends. SPRING MEETING of the University Union.
Dec. 23.	Saturday	SECOND TERM of Autumn Quarter ends. LAST DAY for handing in Theses for the Doctorate to be conferred at the April Convocation.	May 13.	Sunday	SECOND TERM of Spring Quarter begins.
Dec. 24-31		Quarterly Recess.	May 30.	Wednesday	Memorial day; a holiday.
1894.			June 20-22	Wednesday Thursday Friday	SPRING EXAMINATIONS for admission to the Academic Colleges.
Jan. 1.	Monday	FIRST TERM of Winter Quarter begins. Dedicatory Exercises of Kent Chemical Laboratory. LAST DAY for receiving papers in competition for the E. G. HIRSCH Semitic Prize.	June 23.	Saturday	SECOND TERM of Spring Quarter ends.
Jan. 2.	Tuesday	WINTER MEETING of the University Convocation. Matriculation of new students.	July 1.	Sunday	FIRST TERM of Summer Quarter begins.
			July 2.	Monday	SUMMER MEETING of the University Convocation. Matriculation of new students.

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**THE UNIVERSITY OF CHICAGO,
CHICAGO, ILL.**

PART I—RECORDS.

The University in General.

THE PROCEEDINGS OF THE FOURTH UNIVERSITY CONVOCATION AND THE DEDICATORY EXERCISES OF THE WALKER MUSEUM, OCTOBER 2, 1893.

THE CONVOCATION SERMON: THE HERO OF COMMON LIFE, OCTOBER 1, 1893.

The Convocation Sermon was preached by Reverend S. J. McPherson, D.D., from Romans i, 5-6.*

THE CONVOCATION ADDRESS: SOME HIGHER ASPECTS OF EVOLUTION.

BY PROFESSOR HENRY DRUMMOND, LL.D., of the University of Glasgow, (Scotland).†

MR. PRESIDENT, AND FELLOW STUDENTS:

I propose to offer in this address, and with the greatest diffidence, a few remarks on the theory of Evolution.

The eye of a University, busy in all thoroughness, with its detailed lines of instruction, can never rest only on its own class-rooms. From time to time it must sweep the world, scanning the whole horizon for intellectual movements, watching, in part as critic but not less as herald, the later growths of thought, and absorbing whatever is vital and sure into its future work and ideals. And in this noble building, dedicated this evening to Science, and destined to be enriched with objects which will reveal to coming generations the works of nature in orderly succession, it may not be inappropriate to speak of that great thought from which their order comes, that last great key to Creation which it is one of the highest functions of a museum to illustrate to the world.

Let it not be thought, nevertheless, that these words of preface are an apology for anything rash. I have no new constellation to report. Evolution is far too old a thing to be tarnished by the fatal epithet new, and far too great a thing to be limited by the word constellation. For the Evolution of which I would mainly speak is not the evolution of any specific thing—a plant or animal, a species or a star; nor do I refer

to any specific process of Evolution—the Evolution of a Darwin, a Spencer, a Haeckel, or a Weismann—but of Evolution as a whole, of Evolution as an all-embracing category of thought, a theory of the world, a standpoint, a generalization of all that is.

It has been a great misfortune not only for science, but for the whole progress of knowledge, that men have so largely failed to observe this distinction between Evolution as a large generalization, and specific applications or theories of the process. Mainly owing to the fact that the theory of development became known to the popular mind through the limited form of Darwinism, the whole subject began out of focus, was first seen by the world out of focus, and has remained out of focus to this present day. Men gathered the idea that the Evolution theory meant the development of man from the ape, regardless of the fact that apes and men are not the only objects in the universe, that even in the Evolution of man the ape is but one of a thousand links and by no means the most important; and further, blind to all that has entered into man since the ape, and which distinguishes him *toto celo* from every animal that ever was. No Evolutionist is committed to Darwinism or to any other theory of how the process has been brought about. For no living thinker has yet found it possible to account for Evolution. Mr. Herbert Spencer's famous definition of

* At the Hyde Park Presbyterian Church, 8:00 P.M.

† Delivered in the Walker Museum.

Evolution as "a change from an indefinite coherent heterogeneity to a definite coherent heterogeneity through continuous differentiations and integrations"—the formula of which the *Contemporary Reviewer* remarked that "the universe may well have heaved a sigh of relief when, through the cerebration of an eminent thinker, it had been delivered of this account of itself"—is simply a summary of results, and throws no light, though it is often supposed to do so, upon ultimate causes. While it is true, as Mr. Wallace says in his latest work, that "Descent with modification is now universally accepted as the order of nature in the organic world," there is everywhere at this moment the most disturbing uncertainty as to how the Ascent even of species has been brought about. The attacks on the Darwinian theory from the outside were never so keen as are the controversies now raging in scientific circles, over the fundamental principles of Darwinism itself. On at least two main points—sexual selection and the origin of the higher mental characteristics of man—Mr. Alfred Russel Wallace, co-discoverer with Darwin of the principle of Natural Selection though he be, directly opposes his colleague. The powerful attack of Weismann on the Darwinian assumption of the inheritability of acquired characters has opened one of the liveliest controversies of recent years, and the whole field of science is hot with controversies and discussions. In his "Germ-Plasm," lately published, the German naturalist believes himself to have finally disposed of both Darwin's "germules" and Herbert Spencer's "primordial units," while Eimer breaks a lance with Weismann in defense of Darwin, and Herbert Spencer in the *Contemporary Review* for March replies for himself, assuring us that "either there has been inheritance of acquired characters or there has been no evolution," and Weismann reiterates in the *Contemporary* for October that Spencer, and all the rest of the world, are wrong. Meantime, until all this storm is past, all prudent men can do no other than hold their judgment in suspense both as to that specific theory of one department of Evolution which is called Darwinism, and as to the factors and causes of Evolution itself. No one asks more of Evolution at present than permission to use it as a working theory. This is the age of the evolution of Evolution. All thoughts that the Evolutionist works with, all theories and generalizations, have been themselves evolved and are now being evolved. Even were his theory perfected its first lesson would be that it was itself but a phase of the evolution of further opinion, no more fixed than a species, no more final than the theory which it displaced. Of all men the Evolutionist, by the very

nature of his calling, the mere tools of his craft, his understanding of his hourly shifting place in this always moving and ever more mysterious world, must be humble, tolerant, and undogmatic.

These, nevertheless, are cold words with which to speak of a Vision—for Evolution is after all a Vision—which is revolutionizing the World of nature and of thought, and, within living memory, has opened up avenues into the past and vistas into the future such as science has never witnessed before. While many of the details of the theory of Evolution are in the crucible of criticism, and while the field of modern science changes with such rapidity that in almost every department the text-books of ten years ago are obsolete to-day, it is fair to add that no one of these changes, nor all of them together, have touched the general theory itself except to establish its strength, its value, and its universality. Even more remarkable than the rapidity of its conquest is the authority with which the doctrine of Development has seemed to speak to the most authoritative minds of our time. Of those who are in the front rank, of those who by their knowledge have, by common consent, the right to speak, there are scarcely any who do not in some form employ it in working and in thinking. Authority may mean little; the world has often been mistaken; but when minds so different as those of Charles Darwin or of T. H. Green, of Herbert Spencer or of Robert Browning, build half the labors of their life on this one law, it is impossible, and especially in the absence of any other even competing principle at the present hour, to treat it as a baseless dream. Only the peculiar nature of this great generalization can account for the extraordinary enthusiasm of this acceptance. Evolution involves not so much a change of opinion as a change in man's whole view of the world and of life. It is not the statement of a mathematical proposition which men are called upon to declare true or false. It is a method of looking upon Nature. Science for centuries devoted itself to the cataloguing of facts and the discovery of laws. Each worker toiled in his own little place—the geologist in his quarry, the botanist in his garden, the biologist in his laboratory, the astronomer in his observatory, the historian in his library, the archaeologist in his museum. Suddenly these workers looked up; they spoke to one another; they had each discovered a law: they whispered its name. It was the same word that went round. They had each discovered Evolution. Henceforth their work was one, science was one, the world was one, and mind, which discovered the oneness, was one. All things, the heterogeneous multitude of phenomena, the tumultuous succession of processes, the discrete

happenings of the past, were called into line. Creation appeared no longer as a series of unrelated acts but as one mighty drama. The unity of nature, and therefore the correlation of all branches of natural knowledge, was finally disclosed. Above all, the sciences found, and found without effort—for the fullness of time was come—what science had never ceased to hope and long for—a Philosophy.

This largeness of Evolution as a category of thought affects, among other things, the scientific temper. Against the dangers of specialism we are always warning ourselves, but hitherto it has never been absolutely clear how minds absorbed in specific lines of research could wholly escape its limitations. It is not so much, perhaps, that we have each extolled unduly the subject which we like, but that we fail in reverence and appreciation for the special themes of others. The classicist is apt to regard the man of science as an upstart, the man of science ignores the classicist as a fossil; the physicist pities the philosopher as one who dreams, the philosopher regards the physicist as a lost soul, because he does not dream. The day for such narrowness is past. Limitation is the necessary cost of progress, and with progress it must pass away. For the further any study is now pursued, its deeper relation to all other studies stands disclosed, and each man working at his little part perceives that its greatness comes from and belongs to the whole.

The Evolutionist lives in a large place. He acquires, if nothing else, at least the charity of the intellect. No worker in whatever far-off field, in whatever dull and dusty corner of the temple of thought, now finds himself alone. He and the worker in the next room, and the unknown student a thousand miles off, are brothers. The astronomer at his stars and the philologist among his roots touch one another (work at, different ends of, the same thing) work like students round the dissecting table at different parts of the same body, contribute to the same result. There is no room for conceit if one man's work be great, none for despair if it seem very small; no room for arrogance, none for envy. There was always patience in the scientific mind, and earnestness, and self-denial. But it wanted a further perspective and breadth, a world-wide standard as a measure of achievement, before it could clothe itself with sympathy, generosity, and good will.

The danger of isolated and disconnected studies, considerable to a teacher, are very great to a student. It is not enough that he should know Latin, Greek, Logic, Ethics, Physics, and Biology. True knowledge is not to know things but to know them in their

relations. And unless some effort is made to unify these subjects and give them some large setting in his mind, he may turn out a learned man but may wholly escape being either an educated or a wise one.

The greatest gift a University can give her sons is not proficiency in useful sciences or arts, nor the last methods of research, nor the love of culture, nor habits of industry, nor the life-long stimulus to study. It is the universal mind—the mind which, enriched with varied knowledge, yet sees what knowledge is, beholds it not as so many separate fields of learning, but as the branches of one great tree whose life is greater and whose fruit is sweeter than that of any of the parts; the mind which, escaping the limitations which in all ages have belittled the wise, lives open to all the world, sees things in a true perspective, and neither underrates nor overrates the possibilities of the present; through all competing claims and confusions of the hour, discerns the main lines of progress, and throws its steady influence into the most sane, the most urgent and the most hopeful movements working for the redemption of mankind. It may be an extreme demand, but no student should be allowed to leave a modern University without at some time or other, and in some way or other, having presented to him, and embedded in him, in all its length and breadth, the idea of Evolution.

It may be said that Evolution is in the air, that all modern thinkers and writers now use it, and that no student can fail to catch it. But the truth is many do fail to catch it, and some at least catch it altogether in the wrong way. No subject, in reality, is more difficult to acquire in its whole truth and integrity, and no great theme is more neglected in the educational outlook of the age. While a few teachers do not use it at all, others are so feebly affected by it that its import, either as a standpoint or as an instrument of research, remains ungrasped. There are others who use it daily, yet who, knowing it only in their own department the evolution of rocks, or continents, or plants, or animals—have therefore only a departmental and limited view of its principles, and whose teaching of it, instead of furthering the development of the universal mind and the vision of universal truth, tends to limit, to obscure, and to materialize.

There are two classes of modern Evolutionists (and I mention it mainly to introduce my next topic) of whom it is difficult to say which is the more dangerous. The first is the evolutionist who discusses the evolution of *Man* in the same terms, and as being controlled only by the same factors, as the Evolution of atoms or cells; and the second is the evolutionist who makes his Evolution stop short of *Man*, while admitting it in the

case of plants and animals. It shows the need of specialists in Evolution, of Evolution being taught at every seat of learning in some worthy form, that the majority of evolutionists belongs at present to one or other of these two classes.

To include Man in the scheme of Evolution—the event of the last decade—is not only now a scientific necessity but a great philosophical gain. Hamlet's "being of large discourse looking before and after" is, withal, a part of nature, and can neither be made larger or smaller, anticipate less or prophesy less, because we investigate, and perhaps discover, his pedigree. And should his pedigree be proved to be related in undreamed of ways to that of all other things in nature, "all other things" have that to gain by the alliance which philosophy and theology have often wished to dower them with, but could never lawfully do. Every step in the proof of the oneness in an evolutionary process of this divine humanity of ours with all lower things in nature is a step in the proof of the divinity of all lower things. If Evolution can be proved to include Man, the whole course of Evolution and the whole scheme of nature from that moment assume a new significance. The beginning must then be interpreted from the end, not the end from the beginning. All that is found in the product must be put into the process. An Evolution theory which includes Man drawn to scale and with the lights and shadows properly adjusted—adjusted to the whole truth and reality of nature—is needed as a standard for modern thought, and when it comes, it must make impossible all those inversions and perversions which interpret everything from beneath. An engineering workshop is unintelligible until we reach the room where the completed engine stands. Everything culminates in that final product, is contained in it, is explained by it. The Evolution of Man also is the complement and corrective of all other forms of Evolution. From this height only is there a full view, a true perspective, a consistent world. The whole mistake of naturalism has been to interpret nature from the standpoint of the atom—to study the machinery which drives this great moving world simply as machinery, forgetting that the ship has any passengers, or the passengers any captain, or the captain any course. It is as great a mistake, on the other hand, for the theologian to separate off the ship from the passengers as for the naturalist to separate off the passengers from the ship. It is he who cannot include Man among the links of Evolution who has greatly to fear the theory of Development. In his jealousy for that religion, which seems to him higher than science, he removes at once the rational basis from religion and

the legitimate crown from science, forgetting that in doing so, with whatever satisfaction to himself, he offers to the world an unnatural religion and an inhuman science. The cure for all the small mental disorders which spring up around restricted applications of Evolution is to extend it fearlessly in all directions as far as the mind can carry it and the facts allow, till each man, working at his subordinate part, is compelled to own, and adjust himself to, the whole.

If the theological mind be called upon to make this expansion, the scientific man also must be asked to enlarge his views in another direction. If he insists upon including Man in his scheme of Evolution, he must see to it that he include the whole Man. For him at least no form of Evolution is scientific or is to be considered, which does not include the whole Man, and all that is in Man and all the work and thought and life and aspiration of Man. The great moral facts, the moral forces so far as they are proved to exist, the moral consciousness so far as it is real, must come within this scope. Human History must be as much a part of it as Natural History. The social and religious forces must no more be left outside than the forces of gravitation or of life. Man, body, soul, spirit, are not only to be considered, but are first to be considered in any theory of the world. You cannot describe the life of kings, or arrange their kingdoms, from the cellar beneath the palace. "Art," as Browning reminds us:

"Must fumble for the whole, once fixing on a part,
However poor, surpass the fragment, and aspire
To reconstruct thereby the ultimate entire."

This inclusion of man in the cosmic scheme makes a momentous difference in the whole relation of the subject and in the attitude towards it of a University. That the proper study of mankind was man, we have always known. What we did not know was how properly to study him. But if man be a product of Evolution, the laws of his being, development, and progress become objects of direct scientific inquiry. The factors in his evolution may be traced with scientific precision, and these conditions of environment or otherwise so modified and adjusted by direct human action as to secure the growth of better men in a better world. For this process can to a certain extent be stimulated or retarded, modified for good or evil, by human action. To say that progress will go on, as it has gone on, whether man wills or not, whether he interferes or hastens, opposes or ignores, is to misread science. Evolution is not an unbroken line, or an undeflected curve. Its path has changed, and radically changed. The early stages of the world's course were in the

hands of natural selection. Physical laws ruled every movement and every change, then ethical considerations rose into prominence, moral forces were added to the material. The ethical man became lord of matter, sovereign of mind, and all things, even his own evolution, were placed in his control. As there came a time when it was given to man to rise above the impersonal powers of nature, and, within limits, guide his personal destiny for good or evil, there came a time in the history of the world when, within the same limits, its government, its progress or its degeneration lay with itself. The perception of this, and the responsibility which attends upon it is already becoming the mark of a new social era.

The part a University must play in this new era is very clear. If not its pioneer it must be its guide. The light to direct a world-movement can only reach the world through its highest teachers, and through them all, and through them all combined. There is no University study that, under the inspiration of this idea, does not assume a new significance. One chair, apparently devoted to cells and tissues and organs, is in reality investigating the fundamental functions of all men and of all societies, the activities, the inevitable activities, which have created civilization. A second, devoted to geology, or biology, or anthropology, history, ancient or modern, extricates as its last achievement, the factors in social progress. Geology, biology, philology, anthropology—these are object-lessons in the influence of Environment in modifying organs, organisms, men, and nations. Every University teacher is a teacher of Evolution. He need not preach it; his business is to do his special work. Yet before the student leaves all this work behind, it must somehow be shown him whither it all leads, what these stupendous foundations are foundations for, what he may live to help to build upon them. The business of a University, it may be urged, is to equip men for the professions, for the arts of life. Yes, but surely also for the arts of living. Grant that men must be trained for advancing the industries of their country, and that this is the first and direct object of University work. Yet is this not all. The chief industry of a country is *men*. And to evolve men in order to evolve men is a further object too high and momentous to be ignored. If a University by the thoroughness of its research and the sustained application of its most splendid powers can affect the industrial movements of a nation—in engineering, in the application of electricity, in the chemical processes—surely the same research and the same application could in time affect the progress of a nation, social, political, and moral. If a University sends out its ex-

ploring parties to the Bad Lands of Dakota to investigate the evolution of the horse, equally rational is it to send emissaries to the Bad Lands of Chicago or London to investigate the evolution of the American or the Briton. If we are to erect meteorological stations to study the weather, and equip marine biological stations to observe the growth and life-habits of jelly fishes, it cannot be less worthy, less scientific, or less beneath the dignity of a University to study the lives of men and women, to know their habitat, to find out its influence upon their bodies, minds, and souls, and to supply with right knowledge and right remedies those who will further deal with them.

It cannot escape the notice of any careful observer how much more *human* our greatest, and especially our newest universities are even now becoming. Formerly, it was enough to study *things*—languages, literatures, *bodies* of man, stones, plants, animals. In the medical faculty we studied man's diseases, in the faculty of law his quarrels, in theology his beliefs, in philosophy his mental states. But there was no study of his life, his progress, his place in society, his duties, aspirations, and responsibilities as a human being. Two or three or four—one could almost name them on one's fingers—of the newer universities of America have discovered not only that man is a human being but that he is an evolving human being, and that the laws of his evolution, personal and social, are a theme for scientific treatment. The chairs of sociology and allied subjects in this country are the admiration and envy of the old world. These are simply chairs in the Evolution of Man, and it is to them one would look for the instruction of the country, in the ways and means of betterment, for the illumination of the pulpit, the leavening of the press, the gradual hallowing even of political life, with rational, scientific, and above all, feasible ideas of progress.

Students of the University of Chicago, what are you to do to help on the Evolution of the World. In the first place, grasp the idea—the idea of the *world*, of a *moving* world. The old conception of the world was static; be yours dynamical. Dwell on that vision of ascending things, of mending men, of evolving states, cities, worlds. Add to that, second, a faith. The world not only moves, but it may be moved by you. Third, the way to help it evolve is to evolve yourself. Mr. Herbert Spencer, in a paper read last week in this city, has reminded us that Evolution has only taken place in the past by every insignificant atom rising to its possibilities and answering the perfect end of its being. The laws of Evolution are not operators, but only expressions, modes of operations. The moving force is the personal will applied through the individual

life. Every man, therefore, who evolves himself, unconsciously and inevitably and irresistibly raises the level of mankind. By merely being what he is he improves the environment for all the units around him, makes good possible and progress sure.

What direct good he will do besides shedding abroad this indirect influence, will depend upon himself and on the life career he chooses. No man imbued in his college days with the thought of the Evolution of the world will choose a calling where he cannot *serve*. To him, at least, life can never be a mere path to fame or fortune or success. It cannot but be a mission. Our pious forefathers were wont to speak to their aspiring youth of "the call," the call to the ministry, the call to spend and be spent for this great lost world. Evolution has its "call"—its call not only to a specific ministry, but to the large service of man in whatever sphere and by whatever means. It is only stating a fact to say that the old "call" which once led multitudes to lives of renunciation and unselfishness, has

for some men lost its point. I do not pause to explain the fact or justify it. The fact is there. It may be the hour has come when to the emotional appeals of an older theology—appeals which, whatever their imperfections, at least by their terror and dread, swept and still sweep men by thousands into great rescuing armies—there must be added for thoughtful men the appeal of reason, the teachings of history, the warnings of social philosophy, the wider outlook of the newer theology, the faith of Christianity—which is simply the further Evolution—in the coming of the kingdom of God in this very earth of ours. The result will not be the loss of the appeal, or the minimizing of its content or urgency. An appeal is not less evangelical because it is more intelligent. But it will mean for thinking men its resuscitation with tremendous force and with imperious claims on all large and generous minds to find their evolution in helping on the evolution of their country and the world.

THE FORMAL OPENING OF THE WALKER MUSEUM.

MR. GEORGE C. WALKER'S ADDRESS OF PRESENTATION.

TRUSTEES OF THE UNIVERSITY OF CHICAGO, LADIES
AND GENTLEMEN:

The President has asked me to tell you how this building came to be erected, and in order to do so, I must in a very brief form give you a little idea of some past events. In 1848 my father was selected to make the address of welcome for the City of Chicago to the assembled delegates, from all parts of these United States, at the opening of the Illinois and Michigan canal. One idea he expressed was this: "That portion of the earth's surface which can support the most human life, will, in the end, have the most human life, and nowhere on the earth's surface is there so much good land and so little waste land as in the territory known as the Mississippi valley of the Northwest."

This made a deep impression on my young mind, and I have lived to see our city grow from a little over fifteen thousand then, to over fifteen hundred thousand now, and to-day the evidences are stronger than ever of the final and full realization of my father's confident predictions.

It first took on material growth, and men waxed strong in moneyed wealth, which must always be the first form of human progress, for the means to do must of necessity be the basis of all that follows. Without means when should we have Academies, Colleges, Universities, Art schools, and Art palaces, Scientific schools, and Scientific museums? As time progressed it was very evident that that same energy which had settled the Northwest and built up its business would in due time achieve just as marked success in all that goes to improve and elevate man.

Thirty years ago my warm personal friend, Robert Kennicott, came back from the Arctic Ocean full of zeal and enthusiasm for the establishment of a grand museum for the Northwest at Chicago. He had spent four very successful years in that far northern country, under the auspices of the Smithsonian Institution and the Chicago Audubon Club, making scientific collections and establishing a system in connection with all the agencies and employés of the great North American fur companies from whom many things have since

been received. His friends were fully imbued with the importance of prompt action, resulting in Chicago's first Scientific Museum. Its success and misfortunes, its struggles and triumphs, and final dormant condition need not here be detailed. It is all well known to the older earnest citizens of Chicago.

During all those years I never could relinquish the idea that here in our city was the best location, west of the Allegheny mountains for a great museum of natural history, and from the sad experience of many years, it seemed evident that it would be of the most value in connection with some great institution of learning, whose professors and teachers would take a warm and active interest in its welfare, making it attractive and popular, and whose students would carry the knowledge of its existence and scientific value to all parts of the country. It would thus have the largest field of usefulness and be of the greatest benefit to mankind. No museum not so connected could by any possibility ever hope to bless so large a clientage. These facts would influence owners of valuable scientific collections to make such an institution their permanent depository, and in the end all that was of a scientific interest would find a home under its roof.

When this University was first thought of, it seemed as though the time for successful action had come, and I resolved that, if in any way it could be accomplished, there should be a suitable fire-proof building erected for this purpose wherever this institution should finally locate. After these grounds were selected, another and very important reason was presented why the University should have a museum building at once. The great Columbian Fair was going to be held here, and of necessity there would be a large amount of scientific material which could be retained here if there was a suitable fire-proof home provided and the proper effort made to secure it.

With this in my mind, the building was undertaken and has been completed, and I now, Mr. President, tender it to the Board of Trustees, and with it go my warmest good wishes for the most perfect triumph of the University of Chicago.

THE PRESIDENT'S RESPONSE.

We receive to-night from the hands of its donor, for the future use of the University, this magnificent building, and in assembling, under these circumstances, we celebrate its formal opening. By the gen-

erous gift of one man the University in this earliest period of its history possesses a museum building. The heart of every member of the University, of every friend of the University, of every friend of scientific

research acquainted with the facts, is filled with feelings of gratitude to the man who has rendered this inestimable service to the University, thus placing at its disposal a building so large, so beautiful, and above all so well adapted to the purpose for which it has been erected. Our friend, the hero of the evening, will pardon me I am sure, if, under the circumstances, for the information of some who are strangers among us here to-night, I recall one or two items which perhaps now belong to the realm of the past, but which throw light upon the event we are celebrating.

Years ago an important suburb of the City of Chicago was to be established. A leading spirit in the building of this new village, realizing the importance of educational influence, erected in the village a large and convenient building to be used as an academy or seminary for young women. A little later, largely through his influence, there was established in this same village an academy for boys, and a building was erected for the work. Still later, through the same influence, a large and commodious building was provided for the Theological Seminary, an institution, which, during its history under these auspices, sent out hundreds of preachers to carry the message of light and life to the men of every country. Again in this same village there was established by this same man a village library; the building, a beautiful building of stone; the shelves of the building amply provided with books. The village of which I have spoken is Morgan Park; the man, our friend who to-night gives us this building as an indication of his interest in sound learning. Still further, all these buildings, except one, together with the land which surrounds them, in part by the direct gift and in part through the direct influence of our friend, have come into the possession of the University and are to-day occupied by the Academy of the University.

I may be pardoned if I mention another fact. Many years ago, in the earliest history of the City of Chicago, certain men of broad sympathies with a desire to encourage research, established what is now known as the Chicago Academy of Science. These men had much to contend with. The great fire destroyed everything which up to that time had been collected; but the work went on. Publications were issued by the Academy. Money was freely furnished by the men interested. The work was encouraged, indeed carried by these few men. But for them the Academy would have died long ago. The interest and the work of these few men saved it, and to-day it is about to occupy new quarters in Lincoln Park. The man of all men to whom the Academy is indebted, the man who served as its president for many years, who contributed from

his private purse on many occasions in order to continue its existence, was our friend who has indicated his interest in scientific work by providing for the University this building which will be in a true sense a scientific laboratory. Nothing daunted by the misfortune which befell the old Academy, believing that the City of Chicago should have a museum building to which its citizens might offer collections made from time to time, he has erected this building, has given it to the University, and by this act has invited those who, like himself, sympathize with the work of scientific research, by their gifts to carry on the work which he has thus magnificently begun.

You will pardon me if I add still a third reminiscence. There was an old University of Chicago. Of its great work and of its great misfortunes I need not speak. One of the men closely connected with its work through many years, contributing continually towards its support, was the friend to whom to-night we would, if possible, do honor. When the old University ceased to be, this same friend came forward with the generous proposition to give land and money for a college which should be built near the City of Chicago. Providence ordered that the institution should be established in the city, and the propositions made by Mr. Walker were not accepted; but from the first day of the history of the new University, he has shown himself its friend. In its councils he has at all times taken a leading part, and when the time came for the citizens of Chicago to indicate to the world whether or not they would receive and make their own an institution so generously founded by a citizen of another state, Mr. Walker was one of the first to place his name upon the subscription list to an amount exceeding \$120,000.

The educational property of Morgan Park has become a part of the University. The college which he proposed to establish at Morgan Park is there, not a college, but what in this great Western territory of ours is of far greater value, an academy of the highest order, manned by instructors trained in the best academic institutions in the land. The museum which was originally intended for the Academy of Science has been built, but built for the University. The many separate educational efforts undertaken by Mr. Walker have become unified and centralized in the University of which he is an honored trustee.

These facts show the long continued, deep, and earnest interest which he has exhibited in the cause of education. For one I rejoice that the building for a museum has come to us before a library building. It is possible, especially under the departmental system which we have adopted, to make good use of books

without a large and excellent library building. Books must be purchased, and books will be contributed even if we lack a building; but collections are never given to an institution that has no convenient and safe depository for them. At a time when the city is so full of valuable collections, collections which are so soon to be distributed, it is opportune indeed that the University should be able to say to those who own these collections, that it possesses a fire-proof structure, in which they may be preserved and displayed. I may be mistaken, but I venture to make the assertion that within the next twelve months this building will bring to the University material which would have cost the University three or four times the cost of the building itself. For all such material received we shall be indirectly indebted to Mr. Walker. To-night we take

possession of the building. To-morrow morning the scientific collections of various kinds already belonging to the University will be placed within its walls. To-morrow morning the work of research and investigation in connection with the lectures and class-work of the departments of Geology and Mineralogy will begin. The building is finished, but none too soon.

And now, with these few and inadequate words of introduction, representing the Trustees of the University and its faculties, I accept the building from its donor, Mr. Walker, and pledge him that it will be sacredly devoted to the interests he has had at heart. Time will show him, as no words of mine to-night could show, our appreciation of his noble gift, and the gratitude which fills our hearts.

THE STATEMENT OF THE PRESIDENT OF THE UNIVERSITY FOR THE QUARTER ENDING OCTOBER 1, 1893.

MEMBERS OF THE UNIVERSITY, TRUSTEES, INSTRUCTORS, STUDENTS, AND FRIENDS:

One never feels altogether at home in surroundings entirely new. In the process of settlement under ordinary circumstances there comes first the breaking of the old relationship, then the seemingly temporary acceptance of the new; for however sharp the separation may have been, there is at first, in spite of one's self, a feeling that it is only for a period, and that sooner or later the old relationships will be taken on again. After this experience it is frequently one's privilege to go back and come in contact with the old, and to his surprise he finds it not that which since the separation from it he has imagined it to be, but the same old relationship which after careful consideration had been exchanged for the new. The two thus brought into contact are now better understood. The limitations of the old in contrast with the greater freedom of the new are appreciated, and one comes back to the new with a feeling of greater satisfaction. In fact, he is for the first time, since the separation from the old, coming home; for at the first coming it was not home. This, I am persuaded, has been the experience of many of the members of our University, instructors, and students. A year ago we came together, strangers to the situation and to each other. We lived together and worked together during the year, our minds continually going back to that which we had left; for as yet the new situation could scarcely be said to have become permanent. We separated at the end of the scholastic year to go away for the season, and now we have come together again. This time under circumstances very different from those which attended our first meeting a year ago. We have come home.

The Summer Guests.

During our absence the University through its representatives has played the part of host to many guests. In the absence of the family the home has been occupied by friends, and, I might say, relatives. Professors and students from all the leading institutions of the country and from many Universities abroad have resided in the University. Learned societies have held meetings in its lecture-rooms. The alumni of many colleges have held reunions. The University during these months has been a center of activity not wholly unlike that which exists under ordinary cir-

cumstances. The number of our guests was 4,500 in round numbers, and as kind guests sometimes do, they left behind them a token of their appreciation of hospitality received. This token assumed the tangible form of a bank deposit amounting to more than \$40,000. It was a great honor to the University to have within its walls the meetings of bodies of men so learned and influential as, for example, that of the International Institute of Statistics. It will prove to be a source of advantage to the University that in this way so many men and women have become more familiar with its location, and with the scope and plans of its work.

Libraries, Laboratories, and Museums.

There has been no change in the condition of the libraries of the institution. I am sorry to be compelled to say that no good friend has offered to furnish the \$100,000 which we need to-day for books. I am sure that some such friend will soon present himself. There is no need in the University at this time more pressing. A more encouraging statement may be made concerning laboratories and their equipment. The Chemical Laboratory is all but finished. The extraordinary amount of extra work undertaken to make the ventilation of the building and its plumbing perfect has delayed somewhat our occupancy of it. Within a month, however, the Chemical Department will be settled in its permanent quarters. The building of which they take possession has cost more than \$200,000, and is as perfect in the arrangement of its details as the united wisdom of the chemists of three of our greatest institutions could devise. But this is not all. The donor of the building, not satisfied to provide the building, has generously proposed to furnish a complete equipment of apparatus. This means the expenditure of an additional \$15,000 to \$25,000, which Mr. Kent has consented to make. In the near future the members of the University will unite with the friends of Mr. Kent and the friends of scientific learning in dedicating this building to the work for which it has been established. The Physical Laboratory is also nearly completed. Within six weeks the Department will occupy it. This laboratory likewise has cost forty per cent more than was originally intended. Experts from France and Germany, who have visited it during the summer, pronounce it complete in every respect. Here, again, the donor of the building was not satisfied simply to give

to the University a magnificent laboratory. He has in addition donated \$15,000 for the purchase of apparatus, making, with his second gift of \$60,000 towards the laboratory itself (a gift only recently received), a total of \$225,000. By the courtesy of the donors and of the departments for which these buildings were intended, the Departments of Zoölogy, Anatomy and Neurology will have spacious quarters for the present in the Chemical building, while the laboratories of the Departments of Physiology and Physiological Psychology together with the class rooms for the Departments of Mathematics and Astronomy will be located in the Physical building. It will thus be possible to vacate the building on Fifty-fifth street, thus far occupied by the Departments of Science, a change which will be accepted by all concerned with feelings of satisfaction. The laboratories of the Departments of Geology and Mineralogy, Palæontology and Anthropology will be located for the present upon the second floor of the Museum, where large and well-lighted quarters have been assigned.

Additions to the Faculties.

It was hardly to have been expected that the University, starting as it did with a corps of instructors larger in proportion to the number of students than any institution in the country, would at once proceed to make additions to the force, and yet, realizing the importance on the one hand of making ample provision for the students of the colleges, and at the same time of maintaining the position already taken in reference to graduate instruction, the University, not satisfied simply to continue the work upon the scale of last year, has made many additions to the faculty and to the number of courses offered to students. The total number of additions, including those already appointed, but now for the first time beginning their work, is twenty-seven. These additions are classified as follows: In the Department of Philosophy, one; in the Department of Political Economy, three; in the Department of Political Science, two; in the Department of Social Science, two; in the Department of Greek, Associate Professor Frank Bigelow Tarbell, for the past year Secretary of the American School of Classical Studies at Athens, begins his work with us; in the Department of Latin, two; in the Department of Romance Literature, one; in the Department of Germanic Literature, two; in the Department of English, six; in the Department of Mathematics, one; in the Department of Astronomy, one; in the Department of Physics, Professor Albert A. Michelson, who during the past year has completed a most brilliant piece of work for the French government, now comes

to us and assumes the directorship of the Physical Laboratory; in the Department of Geology, one; in the Department of Zoölogy, one; in the Department of Anatomy, one. In the Academy at Morgan Park, George Noble Carman, past Principal of the High School in St. Paul, has been appointed Associate Professor of English, and Dean, thus completing in a most satisfactory way the organization of the Academy. In accordance with the plan already outlined for the organization of the Ogden (Graduate) School of Science, Professor Henry H. Donaldson has been appointed to the Deanship of this school, and has already entered upon the discharge of the duties of the office. In the Divinity School two positions have been vacated for which as yet no appointments have been made. Six instructors, connected with the University during the past year, have received and accepted higher appointments in other institutions. It will therefore be seen that the net gain in the University, not counting the two unfilled positions in the Divinity School, is twenty-one.

The Financial Condition.

During the three months which have elapsed since our separation the country has passed through a financial crisis, the real character of which is only appreciated by those who during this time have been under the necessity of carrying large financial responsibility. A prediction made six months ago that a time was near at hand when the strongest banks in the country would refuse to pay in currency the legitimate demands made upon them, would have been regarded as absurd. Men who have had long financial experience, and who have been in a position to understand the situation, tell us that the country has not known anything so serious in its financial history. State universities with large sums of money in the bank were compelled to postpone payments because of their inability to secure the money which had been appropriated and set aside for them. Great railway corporations found themselves in distress because of inability to secure the currency with which to provide for their pay-rolls. In many districts for lack of currency local script was issued in order to meet immediate demands. However strong the institution, whatever the character of its securities, a thing impossible to obtain was currency; not even government bonds would procure it. It is a source of gratification to those who have had in charge the financial interests of the University, that although the effort for securing \$500,000 had failed; although the institution had undertaken a most gigantic work, one which under ordinary circumstances would have taxed its resources to its fullest extent; although

large bills for books and equipment fell due in the very midst of the financial depression; although the general situation in the midst of which the University found itself was a most extraordinary one, nevertheless obligations were met and the salaries of its officers were paid promptly, except in the case of a few instructors in the month of August when currency was the most difficult to obtain. I take this opportunity to contradict, absolutely, statements which have been published in the daily press, and especially in the Eastern press; statements which would convey the impression that the University had it in mind to reduce the working force or the facilities which it has proposed to offer. It requires but a moment's thought to realize that the man through whose generosity the University largely owes its existence, will be slow to allow a work once begun, a work for the successful inauguration of which he is responsible, a work in which he is profoundly interested, to be in any way diminished in extent or injured in character.

What are the facts? For the budget of the year beginning July 1, 1893, a budget prepared in April, adequate provision was made (except in the particular already mentioned, namely, books; and it is safe to say that the time is far distant, whatever may be the resources of the University, when the provision in this particular will be regarded by those most interested as entirely adequate). The \$150,000 which Mr. Rockefeller had promised on certain conditions, he later consented to give without conditions toward the income of the present year. Many of the smaller subscriptions which have been made conditionally, have been paid. The men who have put their hands to the work of establishing in the City of Chicago a University worthy of the city, and of which in time the nation shall be proud, are not men who having once undertaken the work will hesitate or turn back. As has been shown, the work will be conducted upon still broader lines and in a more extended way, during the year upon which we are about to enter. Twenty-seven new appointments have been made, a number in itself larger than is found in the majority of Western institutions, and this in the very midst of the financial depression.

Increase in Funds and Equipment.

Nor is this all. Mr. Ryerson has again come forward, and offered \$100,000 on condition that \$500,000, including Mr. Rockefeller's \$150,000, shall be secured by next July. The funds and equipment of the University have been very considerably increased since our last meeting. To the original fund subscribed for the building of the Chemical Laboratory, Mr. Kent, as has been in-

dedicated, has added a sum almost equivalent to half the sum first given. To the original sum subscribed to the Physical Laboratory, namely, \$150,000, Mr. Ryerson has added \$75,000. To-day, October 2, the first payment on the Ogden gift has been received. This payment is, in round numbers, a quarter of a million.

In addition to the special fellowships announced in June it is my privilege to acknowledge at this time others: (1) The Columbian Damen Club Helene Lange fellowship, established by a club of German ladies in the City of Chicago, yielding the sum of \$520. (2) The Bucknell University fellowship, yielding \$400, to be awarded a graduate of Bucknell University, Lewisburg, Pa., who shall be named by the faculty of that institution, provided for by the generosity of Charles W. Miller, Franklin, Pa. (3) The Iowa College fellowship, yielding \$400, to be awarded a graduate of Iowa College, Grinnell, Ia., for which provision has been made by friends of that college, through the efforts of Professor Martha Foote Crow. These last gifts suggest a most interesting way in which friends of higher learning, interested at the same time in an institution remote from Chicago, and in the University of Chicago, may contribute in such a manner as to benefit both institutions in the highest degree. The City of Chicago is full of the Alumni of one hundred institutions of learning. Every such Alumnus, though loyal to his *Alma Mater*, is largely interested in the progress of this University. By establishing such a fellowship he will perform the greatest possible service to all the institutions to which he is indebted for his education. A fellowship in the Graduate School will prepare men from year to year to fit themselves in this or that department of study for the professorial work in the institutions from which they have come. Such a gift will at the same time make the University of Chicago, and consequently the City of Chicago itself, a gradually increasing centre of literary and scientific work.

I wish also to acknowledge valuable gifts of books, maps, and charts, presented by the governments of Sweden and Germany through their commissioners to the Columbian Exposition.

Registration.

It is not possible yet to make an accurate report of the registration for the Quarter. The work of registration, by the method which we have adopted, requires a longer time than we have had to determine the number. It is, however, certain, that although some of our sister institutions on account of the condition of the country have lost twenty per cent of their usual enrolment, and while others have been able to maintain the

number of last year, we shall have an increase of twenty-five to thirty-five per cent. Our friends must remember that the number of admissions to the freshman class is only half what it would be if entrance examinations were not, in every case, demanded. The numbers are so largely diminished because the tuition fees, though small compared with those of Eastern institutions, are practically double those required in the colleges and universities of the West. There are many worthy men and women anxious to avail themselves of the opportunities offered, but unable to do so, because of the cost of living and instruction. How shall these difficulties be met? By the establishment of Scholarships.

We begin again, to-day, the work of the University. It is understood that the interruption of the first year was a special one. Unless experience shows that a mistake has been made in arranging for the Summer Quarter, from this time forward there will be no break in the University's work. One-fourth of the in-

structors will be absent from the University all the time. Students will come and go, according to their convenience. The correspondence already received shows that, without a question, the attendance of the first Summer Quarter will be large.

The work, ahead, is exacting in its demands. With the strength given us, and with the help promised us from on high, we may confidently undertake the work, leaving it to the wise providence of Him who directs all things, to make such provision as will supply the deficiencies which will exist in spite of our best efforts.

The President announced the following Scholarships and Honors:

In connection with the September examinations:

Entrance Examination Scholarships to: Ludwig Loeb and Myra Perkins.

Honorable mention to: Isaac S. Rothchild, Harvey A. Peterson, and Leila G. Fish.

IMPORTANT OFFICIAL ACTIONS OF THE BOARD OF TRUSTEES,

JULY-SEPTEMBER, 1893.

JULY 3.

At a meeting of the Board of Trustees, the following actions were taken :

From Professor *Emil G. Hirsch*, a proffer was received and accepted to establish a fellowship in Comparative Religion.

From the *Sinai Congregation*, a proposal was received and accepted to give the University \$5,000 to furnish books for the Semitic Department.

From Mr. *John D. Rockefeller*, a proposal was received and accepted to contribute \$150,000 for the current expenses of the fiscal year beginning July 1, 1893.

Mr. *Vernon J. Emery* was appointed Assistant in the Department of Latin.

In accordance with the recommendation from the *Trustees of the Theological Union*, and at the request of the Faculty, it was voted that the Divinity work of the University be classified under the following divisions :

1. Graduate Divinity School including those English speaking students entering with the degree of Bachelor of Arts, or its equivalent.
2. English Theological Seminary, including English speaking students not candidates for the degree of Bachelor of Divinity.
3. Danish - Norwegian Theological Seminary.
4. Swedish Theological Seminary.

JULY 25.

Professor *Henry H. Donaldson* was appointed Dean of the Ogden (Graduate) School of Science.

Mr. *George N. Carman*, St. Paul, Minn., was appointed Associate Professor of English, and Dean of the University Academy, at Morgan Park.

SEPTEMBER 19.

From Mr. *Martin A. Ryerson*, a proposal was received and accepted renewing his subscription of \$100,000 to the general fund of the University on condition that the same be increased by other subscriptions to \$500,000. The time for securing the subscriptions was extended to July 1, 1894.

Mr. *Robert Morse Lovett*, Harvard University, was appointed Instructor in English.

Mr. *Ferdinand Ellerman* was appointed Assistant in the Astronomical Observatory.

SEPTEMBER 26.

At the meeting of the Board of Trustees, a letter was read from Mr. *Martin A. Ryerson*, President of the Board of Trustees, stating that he would add to his contribution of \$150,000 for the Physical Laboratory so much of a further sum of \$60,000, as may be required to complete it; and stating, further, that he would contribute \$15,000 for the purchase of books, furniture, and apparatus for the Department of Physics.

President Harper stated that Mr. *Kent* had indicated his purpose to furnish the full equipment for the Chemical Laboratory.

A letter was read from Mr. *C. W. Miller*, of Franklin, Pa., proffering a fellowship for one year, the fellowship to be assigned to a graduate of Bucknell University.

*NEW APPOINTMENTS TO THE UNIVERSITY,
DURING THE QUARTER, ENDING SEPTEMBER 30, 1893.*

1. *Of Members and Graduates of the University:*

DONALDSON, HENRY H., Professor of Comparative Neurology, to the Deanship of the Ogden (Graduate) School of Science.

JENSEN, NELS P., Professor, to the Deanship of the Danish-Norwegian Theological Seminary.

LAGERGREN, CARL G., Professor, to the Deanship of the Swedish Theological Seminary.

BUTLER, NATHANIEL, JR., Associate Professor, to the Acting Directorship of the University Extension Division.

MILLER, ADOLPH C., Associate Professor, to the Professorship of Economic History and Finance.

STAGG, ALONZO A., Associate Professor, to the Headship of Snell House.

JOHNSON, FRANKLIN, Assistant Professor, to the Deanship of the English Theological Seminary.

THATCHER, OLIVER J., University Extension Instructor, to a University Extension Assistant Professorship in History.

CALDWELL, WILLIAM, Tutor, to an Instructorship in Political Economy.

JORDAN, EDWIN O., Tutor, to an Instructorship in Anatomy.

SCHWILL, FERDINAND, Assistant, to a Tutorship in History.

LINGLE, DAVID D., Reader, to an Assistantship in Physiology.

LENGFELD, FELIX, Docent, to a Tutorship in Chemistry.

SHEPARDSON, FRANCIS W., Docent, to the Editorial Secretaryship in the University Extension Division.

SEE, T. J. J., Docent, to an Assistantship in Astronomy.

STIEGLITZ, JULIUS, Docent, to an Assistantship in Chemistry.

KINNE, CHARLES H., Fellow, to an Instructorship in the Romance Languages.

REYNOLDS, MYRA, Fellow, to the Headship of Beecher House.

VEBLEN, T. B., Fellow, to a Readership in Political Economy.

WALLACE, ELIZABETH, Fellow, to a Docentship in Spanish and Spanish-American Institutions, and to the Headship of Foster House.

LEWIS, EDWIN H., Fellow, to an Assistantship in Rhetoric.

EYCLESHYMER, ALBERT C., Fellow, to an Assistantship in Anatomy.

LILLIE, FRANK R., Fellow, to a Readership in History.

BROWN, FANNIE C., Graduate Student, to a University Extension Lectureship.

PERRINE, CORA B., Graduate Student, to an Assistantship in the Library.

TORREY, CLARENCE A., Graduate Student, to an Assistantship in the Library.

WATERMAN, RICHARD, JR., Graduate Student, to the Class-work Secretaryship, University Extension Division.

2. *Of Members of other Institutions.*

CARMAN, GEORGE N., St. Paul High School, Associate Professor in English, and Dean of the University Academy at Morgan Park.

TOLMAN, ALBERT H., Ripon College, Assistant Professor in English Literature.

HERRICK, ROBERT WELCH, Massachusetts Institute of Technology, Instructor in Rhetoric.

KLENZE, CAMILLO VON, Cornell University, Instructor in German.

LOVETT, ROBERT MORSE, Harvard University, Instructor in English.

SCHMIDT-WARTENBERG, H., University of Mississippi, Instructor in German.

BATTLE, WILLIAM JAMES, Harvard University, Tutor in Latin.

BOYD, JAMES HARRINGTON, Princeton College, Tutor in Political Economy.

EMERY, VERNON J., University of Ohio, Assistant in Latin.

MULFINGER, GEORGE A., German College, Mt. Pleasant, Iowa, Reader in German.

CONGER, CHARLES THOMPSON, Oxford University, Docent in Political Geography.

HOEWICH, ISAAC A., Columbia College, Docent in Statistics.

- LAVES, KURT, The Royal Observatory, Berlin, *Docent in Astronomy.*
- MEZES, SIDNEY, Bryn Mawr College, *Docent in Philosophy.*
- WEST, GERALD M., Clark University, *Docent in Anthropology.*

GENTLES, HENRY W., University of Glasgow, *University Extension Lecturer in the Department of Social Science.*

WALKER, DEAN A., Syrian College, Beyrout, *University Extension Lecturer in the Department of Comparative Religion.*

APPOINTMENT OF MEMBERS AND GRADUATES OF THE UNIVERSITY IN OTHER INSTITUTIONS.

1. *Instructors.*

MALL, FRANKLIN P., Professor, *to the Professorship of Anatomy in the Johns Hopkins University.*

NORDELL, PHILIP A., D.D., Assistant Professor, *to the Editorship of the Blakelee Bible Study Series, Boston, Mass.*

BENSLEY, EDWARD VON BLOMBERG, University Extension Instructor, *to a University Extension Lectureship in Cambridge, Eng.*

CONLEY, JOHN WESLEY, Instructor, *to the Pastorate of the First Baptist Church at St. Paul, Minn.*

VOS, BERT J., Instructor, *to an Instructorship in German in the Johns Hopkins University.*

BATTLE, WILLIAM J., Tutor, *to the Associate Professorship of Greek in the University of Texas.*

COOLEY, ELIZABETH C., Tutor, *to an Assistant Professorship of German in the Illinois State University.*

WOOD, IRVING F., Reader, *to an Assistant Professorship of Ethics and Biblical Literature in Smith College.*

LYMAN, JAMES A., Docent, *to an Instructorship in Chemistry in Portland Academy, Portland, Ore.*

2. *Fellows and Students.*

ASADA, EIJI, Fellow, *appointed Professor of Old Testament Literature in the Aoyama Methodist Seminary, Tokio (Japan).*

CABEEN, CHARLES WILLIAM, Fellow, *appointed Assistant Professor of German in Oberlin College.*

HULLEY, LINCOLN, Fellow, *appointed Professor of Hebrew in Bucknell University.*

MEYER, ADOLPH, Honorary Fellow, *appointed Resident Pathologist to Eastern Illinois Hospital for the Insane.*

RUSSELL, HARRY L., Fellow, *appointed Assistant Professor of Bacteriology in the Wisconsin State University.*

KOZAKI, MARIAKI, resigns fellowship *to accept the Professorship of the History of Philosophy and Religion in Doshishi College, Kyoto (Japan).*

WINSTON, AMBROSE P., resigns fellowship, *to accept Instructorship in History in the State University of Illinois, Champaign, Ill.*

HILL, JAMES MILLER, Honorary Fellow, *appointed Instructor in Latin, Indianapolis High School, Indianapolis, Ind.*

HOWARD, J. H., Graduate Student, *appointed Instructor in Latin in the Indiana State University, Bloomington, Ind.*

ALDERSON, B. C., Graduate Student, *appointed Assistant Professor of Latin and Greek in the State University, West Virginia.*

HAMILTON, JAMES E., Graduate Student, *appointed Instructor in Philosophy in Stetson University, De Land, Fla.*

HELLER, NAPOLEON BONAPARTE, Fellow, 1892-93, *appointed Instructor in Mathematics in the Drexel Institute, Philadelphia, Pa.*

REYNOLDS, WAYLAND F., Graduate Student, *appointed Assistant in Metaphysics and English in the State University of West Virginia, Morgantown, W. Va.*

PUBLICATIONS BY MEMBERS AND GRADUATES OF THE UNIVERSITY.

Lists of recent publications (books, articles, reviews and notices) by those who have been or are now members of the University will be published from time to time in the QUARTERLY CALENDAR. In order to make these lists as complete as possible the members and the graduates of the University are requested to send titles of their recent publications, with the necessary

data, to the Recorder's office. A complete bibliography is being prepared at present, which will shortly be published in pamphlet form. For this reason, it is thought best not to insert in this number of the CALENDAR the titles of recent books and articles, etc., that are in the hands of the Recorder.

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A, B, C, D, in parentheses, refer to the floors of Cobb Lecture Hall.

Numerals indicate the numbers of rooms.

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ABBREVIATIONS.

ABBREVIATIONS: B.=Beecher Hall; D.=Divinity Dormitory; F.=Nancy Foster Hall; G.=Graduate Dormitory; Kl.=Kelly Hall; S.=Science Hall; Sn.=Snell Hall.

Numerals prefixed to these abbreviations designate the number of room or rooms in particular Halls.

THE GRADUATE SCHOOL OF ARTS AND LITERATURE.

NAME.	DEGREE; DEPT. OF STUDY; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Alden, George Henry,	S.B. (<i>Carleton College</i>) '91; A.B. (<i>Harvard College</i>) '93. History, Political Science. I yr.	Waseca, Minn.	40 Sn.
Archibald, William Laird,	A.B. (<i>Acadia University</i>) '92. Semitic. II yr.	Wolfville, N. S.	Keene Hotel, 55th st. and Ellis av.
Atkinson, David Clarence,	A.B. (<i>University of Indiana</i>) '93. Social Science. I yr.	Atkinson, Ind.	6 G.
Babcock, Minnie Frances,	A.B. (<i>University of Chicago</i>) '93. Latin. I yr.	Painesville, O.	5622 Ellis av.
Barrett, Don Carlos,	A.B. (<i>Earlham College</i>) '89; A.M. (<i>Ibid.</i>) '93. Political Economy, History, Political Science. I yr.	Richmond, Ind.	29 G.
Benbow, Lee L.,	A.B. (<i>Northwestern University</i>) '92. Political Economy, History. II yr.	Chicago.	5812 Drexel av.
Berry, George Ricker,	A.B. (<i>Colby University</i>) '85; A.M. (<i>Ibid.</i>) '88. Semitic. II yr.	West Sumner, Me.	125 D.
Blaine, Harriet Gertrude,	A.B. (<i>Oberlin College</i>) '90. Greek, Latin. I yr.	Oberlin, O.	39 F.
Blakely, William Addison,	Ph.B. (<i>Healdsburg College</i>) '86; Ph.D., '90; LL.B. (<i>University of Michigan</i>) '91; Political Science, History, Philology. I yr.	Chicago.	Mendota Hotel, 61st st. near Ellis av.
Bowen, Mary,	Ph.B. (<i>Iowa College</i>) '93. English, Romance. I yr.	Centerville, Ia.	14 F.
Boyd, Charles Samuel,	S.B. (<i>Lawrence University</i>) '93. Social Science, Political Economy. I yr.	Appleton, Wis.	32 G.
Brainard, Harriet Tilden,	Ph.B. (<i>Cornell University</i>) '76. English, Philosophy. II yr.	Chicago.	1301 Wabash av.
Bray, Jeremiah Wesley,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy, Comparative Philology. I yr.	Chicago.	5709 Drexel av.
Brown, Fanny Chamberlain,	A.B. (<i>Smith College</i>) '82; A.M. (<i>Ibid.</i>) '85. Political Science, Political Economy. II yr.	Manchester.	8 B.
Buckley, Edmund,	A.M. (<i>University of Michigan</i>) '84. Comparative Religion. I yr.	Rochester, N. Y.	27 G.
Carpenter, Frederic Ives,	A.B. (<i>Harvard University</i>) '85. English, Comparative Literature. II yr.	Chicago.	5515 Woodlawn av.
Carpenter, Nancy Jennette,	A.B. (<i>Cornell College</i>) '85; A.M. (<i>Ibid.</i>) '88. English, History. II yr.	Missouri Valley, Ia.	5332 Drexel av.
Carrier, Augustus Stiles,	A.B. (<i>Yale University</i>) '79. Semitic. II yr.	Chicago.	1042 N. Halsted st.
Cary, Antoinette,	S.B. (<i>University of Chicago</i>) '93. Social Science. I yr.	Elyria, O.	5 Kl.
Chase, Cleveland King,	A.B. (<i>Fisk University</i>) '90; A.B. (<i>Oberlin College</i>) '91. Latin, Greek. I yr.	Nashville, Tenn.	5620 Ellis av.
Clark, Hannah Belle,	A.B. (<i>Smith College</i>) '87. Social Science, History. II yr.	Chicago.	5312 Madison av.
Coffin, Fulton Johnson,	A.B. (<i>Dalhousie College</i>) '87; A.M. (<i>Princeton College</i>) '89. Comparative Religion, Sanskrit. I yr.	San Fernando, Trinidad, B. W. I.	Normandie Hotel, Monroe av., near 58th st.

NAME.	DEGREE; DEPT. OF STUDY; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Conger, Charles J.,	A.B. (<i>University of Minnesota</i>) '90. Political Science. I yr.	Chicago.	21 G.
Crandall, Regina Katherine,	A.B. (<i>Smith College</i>) '90. History. I yr.	Brooklyn, N. Y.	48 B.
Crotty, Millie Alice,	A.B. (<i>University of Kansas</i>) '92. English, German. I yr.	Burlington, Kans.	36 B.
Cummings, John,	A.B. (<i>Harvard College</i>) '91; A.M. (<i>Ibid.</i>) '92. Political Economy, Social Science. I yr.	Lynn, Mass.	30 G.
Cutler, Susan Rhoda,	A.B. (<i>Western Reserve University</i>) '85. Romance. II yr.	Talladega, Ala.	21 B.
Davies, Anna Freeman,	A.B. (<i>Lake Forest University</i>) '89; A.M. (<i>Ibid.</i>) '91. Social Science, History. I yr.	Lake Forest.	214, 53d st.
Davies, Martha Blanche,	A.B. (<i>University of Omaha</i>) '92. Latin, Greek. I yr.	Mcno, Ia.	Morgan Park.
Davis, Walter Scott,	A.B. (<i>DePauw University</i>) '89; A.M. (<i>Cornell University</i>) '92. History. II yr.	North Salem, Ind.	9 G.
Dickie, Henry,	A.B. (<i>Dalhousie College</i>) '83; (<i>Princeton Theological Seminary</i>) '86. Semitic. I yr.	Summerside, P. E. Island, Can.	19 G.
Dodge, Ernest Green,	A.B. (<i>Berea College</i>) '93. Greek, English. I yr.	Berea, Ky.	5737 Kimbark av.
Dorman, John Benjamin,	A.B. (<i>Clinton Academy</i>) '85; S.B. (<i>Missouri University</i>); Ph.B. (<i>Ibid.</i>) Political Science, Political Economy, History. I yr.	Clinton, Mo.	5435 Kimbark av.
Dunn, Arthur William,	A.B. (<i>Knox College</i>) '93. Semitic, History, Comparative Religion. I yr.	Galesburg.	5800 Jackson av.
Durban, Eva Comstock,	S.B. (<i>Hillsdale College</i>) '75; S.M. (<i>Ibid.</i>) '78. History, English Literature. I yr.	Chicago.	3510 Prairie av.
Ely, Elizabeth Antoinette,	A.B. (<i>University of Cincinnati</i>) '87; A.M. (<i>Ibid.</i>) '92. Latin, Greek. II yr.	Cincinnati, O.	9 Kl.
Emery, Vernon Judson,	A.B. (<i>Ohio State University</i>) '87; A.M. (<i>University of Nebraska</i>) '90. Latin. I yr.	Napoleon, O.	11 G.
Fairfield, George Day,	A.B. (<i>Oberlin College</i>) '88. Romance. I yr.	Chicago.	Keene Hotel, 55th st. and Ellis av.
Farr, Mary Edith,	A.B. (<i>Colby University</i>) '88. History. I yr.	Waterville, Me.	42 B.
Faulkner, Elizabeth,	A.B. (<i>Old University of Chicago</i>) '85. Latin. I yr.	Chicago.	98 Oakwood av.
Fertig, James Walter,	A.B. (<i>University of Nashville</i>) '90; A.M. (<i>Ibid.</i>) '1. History, Political Economy, Political Science. I yr.	Nashville, Tenn.	245 Walnut st.
Fowler, Frank Hamilton,	A.B. (<i>Lombard University</i>) '90. Sanscrit, Comparative Philology, Latin. II yr.	Bradford.	5810 Drexel av.
France, Wilmer Cave,	A.B. (<i>Cambridge University, England</i>) '92. Latin, Greek. I yr.	Tysby, Warwickshire, Eng.	24 Kl.
Friedman, Isaac Kahn,	Ph.B. (<i>University of Michigan</i>) '93. English, Philosophy. I yr.	Chicago.	3602 Prairie av.
Fulcomer, Daniel,	A.B. (<i>Western College</i>) '84; A.M. (<i>Ibid.</i>) '88. Social Science, Philosophy. I yr.	Grand Rapids, Mich.	131 D.
Gilbert, Emma Large,	A.B. (<i>Cornell University</i>) Latin, Greek. I yr.	Holicon, Pa.	27 B.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. Semitic, New Testament Greek. II yr.	Chicago.	5630 Kimbark av.
Gow, John Russell,	A.B. (<i>Brown University</i>) '77; D.B. (<i>Newton Theological Institution</i>) '82. Social Science, History. II yr.	Chicago.	275, 52d st.
Grant, George Kuhn,	A.B. (<i>Ottawa University</i>) '91. English. I yr.	Ottawa, Kans.	56 Sn.
Haire, Helen Bartlett,	A.B. (<i>University of Michigan</i>) '87. German, English. II yr.	Chicago.	4327 Lake av.
Hardy, Sarah McLean,	Ph.B. (<i>University of California</i>) '93. Political Economy, History. I yr.	Berkeley, Cal.	37 F.
Harley, Walter Scott,	A.B. (<i>Bucknell University</i>) '87; A.M. (<i>Ibid.</i>) '90. Latin, Greek. II yr.	Germantown, Pa.	317, 61st st.
Hastings, Charles Harris,	A.B. (<i>Bowdoin College</i>) '91. History, Social Science. I yr.	Bethel, Me.	32 G.
Hatfield, Henry Rand,	A.B. (<i>Northwestern University</i>) Political Economy, Political Science. II yr.	Evanston.	31 G.

NAME.	DEGREE ; DEPT. OF STUDY ; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Herron, Belva Mary,	L.B. (<i>University of Michigan</i>) '89. Political Economy. II yr.	St. Louis, Mo.	4 B.
Hilliard, Caroline Margaret,	M.L.A. (<i>Ohio Wesleyan University</i>) '76. English. I yr.	Peoria.	4525 Oakenwald av.
Hinckley, Frank Erastus,	A.B. (<i>Beloit College</i>) '92. History. II yr.	Racine, Wis.	Armour Institute.
Howerth, Ira Woods,	A.B. (<i>Harvard University</i>) '93. Social Science. I yr.	Columbus, Ind.	5709 Drexel av.
Hoxie, Robert Franklin,	Ph.B. (<i>University of Chicago</i>) '93. Political Economy, Political Science, History. I yr.	Yorkville, N. Y.	5724 Drexel av.
Hulley, Eloise Mayham,	A.B. (<i>University of Michigan</i>) '90. Philosophy. II yr.	Lewisburg, Pa.	5800 Jackson av.
Hulley, Lincoln,	A.B. (<i>Bucknell University</i>) '88; A.B. (<i>Harvard College</i>) '89; A.M. (<i>Bucknell University</i>) '91. Semitic. II yr.	Lewisburg, Pa.	5800 Jackson av.
Hunter, George Leland,	A.B. (<i>Harvard University</i>) Romance Languages. II yr.	Newberry Library.	17 G.
Innes, Stephen Linnard,	A.B. (<i>University of Pennsylvania</i>) Greek. I yr.	Philadelphia, Pa.	26 G.
Jackson, Grace,	A.B. (<i>Wellesley College</i>) '91. Latin, Greek. II yr.	Ft. Wayne, Ind.	15 F.
Johnson, Luther Apelles,	A.M. (<i>Trinity University</i>) '86; Ph.D. (<i>Bethel College</i>) '89. English. I yr.	Tehuacana, Texas.	South Lynne.
Johnston, William Dawson,	A.B. (<i>Brown University</i>) '93. Social Science. I yr.	Kalamazoo, Mich.	7004 Rhodes av.
Jones, Florence Nightingale,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>State University of Nebraska</i>) '91. Comparative Philology, Latin. II yr.	Lincoln, Neb.	3715 Langley av.
Jones, Jessie Louise,	A.B. (<i>Doane College</i>) '84. German, Sanskrit. I yr.	Lincoln, Neb.	3715 Langley av.
Jones, Laura Amelia.	A.B. (<i>Wellesley College</i>) '82; A.M. (<i>Ibid.</i>) '91. Semitic, History. II yr.	East Orange, N. J.	3 F.
Jude, George Washington.	A.B. (<i>Otterbein University</i>) '91. History, Political Economy. I yr.	Sugar Grove, Pa.	5435 Kimbark av.
Kern, Paul Oscar,	(<i>Berlin University, Germany</i>) German, Romance. I yr.	Chicago.	5442 Monroe av.
Kirkpatrick, George Rose,	A.B. (<i>Albion College</i>) '93. Social Science. I yr.	Plainfield, O.	5800 Jackson av.
Knox, Frances Ada,	A.B. (<i>University of Michigan</i>) '82. History, Political Science. I yr.	Salem, Oregon.	5755 Roasile Court.
Korsmeyer, Julia Maria,	A.B. (<i>University of Nebraska</i>) '93. German, French. I yr.	Lincoln, Neb.	3715 Langley av.
Lambert, Lillian Vitalique,	S.B. (<i>Penn College</i>) '89. English. I yr.	What Cheer, Ia.	3104 South Park av.
Lathe, Agnes M.,	A.B. (<i>Smith College</i>) '81. English. II yr.	Worcester, Mass.	Kl.
Learned, Henry Barrett,	A.B. (<i>Harvard University</i>) '90. Social Science, History. I yr.	St. Louis, Mo.	4 G.
Lewis, Edwin Herbert,	A.B. (<i>Alfred University</i>) '87; Ph.D. (<i>Syracuse University</i>) '92. Greek, English. II yr.	Chicago.	6126 Wharton av.
Linscott, Henry Farrar,	A.B. (<i>Bowdoin College</i>) '92. Comparative Philology. II yr.	Chicago.	304 Washington boul.
Love, Mary Edith,	Ph.B. (<i>Cornell College</i>) '91. English. I yr.	Marion, Ia.	8 F.
Maddocks, Caroline Shaw,	A.B. (<i>Wellesley College</i>) '92. English. II yr.	Chicago.	5622 Ellis av.
Mallory, Hervey Foster,	A.B. (<i>Colgate University</i>) '90. Semitic. II yr.	Aberdeen, S. Dak.	4952 Forestville av.
Manchester, Herbert,	A.B. (<i>University of Chicago</i>) '93. Philosophy, English. I yr.	Gray's Lake.	U. of C. Weekly office.
Markham, Osman Grant,	A.B. (<i>Baldwin University</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin. I yr.	Baldwin, Kans.	13 G.
McCafferty, Lulu,	M.E.L. (<i>Howard College</i>) Ph.B. (<i>Central College</i>). History, French, German. I yr.	Quiney.	5612 Drexel av.
McCasky, Harriet Louise,	A.B. (<i>Northwestern University</i>) '92. History, English. I yr.	Chicago.	790 Monroe st.
Mead, Eugene Adelbert,	Ph.B. (<i>Denison University</i>) '87; Ph.M. (<i>Ibid.</i>) '90. Political Science, Social Science. I yr.	Englewood.	438, 57th st.

NAME.	DEGREE; DEPT. OF STUDY; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Millerd, Clara Elizabeth,	A.B. (<i>Iowa College</i>) '93. Greek, Latin. I yr.	Chicago.	26 F.
Milliman, Loren Douglas,	A.B. (<i>University of Michigan</i>) '90. English, Philosophy. II yr.	Lakeville, N. Y.	5806 Drexel av.
Million, John Wilson	A.B., (<i>Wm. Jewell College</i>) '89; A.M. (<i>Ibid.</i>) '91. Political Economy, History. II yr.	Watson, Mo.	5126 Madison av.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Zoölogy. I yr.	Englewood.	824, 62d st.
Mosley, Joel Rufus,	S.B. (<i>University of Nashville</i>) '92; S.M. (<i>Ibid.</i>) '93. Political Science, Philosophy, History. I yr.	Elkin, N. C.	61 University pl.
Mulfinger, George,	A.B. (<i>Northwestern University</i>) '85. German, English. I yr.	Chicago.	108 Seeley av.
Neff, Theodore Lee,	Ph.B. (<i>Asbury (now DePauw) University</i>) '83; A.M. (<i>DePauw University</i>) '86. Romance Languages. I yr.	Iowa City, Ia.	5711 Ingleside av.
Northup, John Eldredge,	A.B. (<i>Drake University</i>) '91. Political Economy, Social Science. II yr.	Newton, Ia.	5468 Monroe av.
Norton, Adda Frances,	A.B. (<i>Des Moines College</i>) '93. Latin, Greek. I yr.	Chicago.	4336 Union av.
Ogden, Howard Newton,	A.B. (<i>University of W. Virginia</i>) '81; A.M. (<i>Ibid.</i>) A.M. (<i>Marietta College</i>) '93. English Language, History. I yr.	Morgantown, W. Va.	5537 Jefferson av.
Owen, Ernest Jones,	A.B. (<i>Denison University</i>) '93. New Testament Greek. I yr.	Newark, O.	520 Maple st.
Owen, William Bishop,	A.B. (<i>Denison University</i>) '87; D.B. (<i>Baptist Union Theological Seminary</i>) '91. Comparative Philology, Greek. II yr.	Chicago.	5475 Kimbark av.
Page, Edward Carlton,	A.B. (<i>Northwestern University</i>) '88. History, English. I yr.	Mt. Morris.	405 E. 40th st.
Paschal, George Washington,	A.B. (<i>Wake Forest College</i>). Greek, Latin. I yr.	Siler City, N. C.	5435 Kimbark av.
Pellett, Sarah Frances,	A.B. (<i>Smith College</i>) '82; A.M. (<i>Cornell University</i>) '91. Latin, Greek, Sanskrit. II yr.	Binghamton, N. Y.	10 Kl.
Pike, Granville Ross,	..... Philosophy. I yr.	Fargo, N. Dak.	6716 Union av., Englewood.
Ploeg, Henry Vander,	A.B. (<i>Hope College</i>) '93. History, English Literature. I yr.	Holland, Mich.	Sn.
Potter Erastus Francis,	A.B. (<i>University of Michigan</i>). Latin, Greek. I yr.	Tecumseh, Mich.	5435 Kimbark av.
Poyen-Bellisle, René de,	L.B. (<i>University of France</i>) '74. Romance. I yr.	Mt. Washington, Md.	15 G.
Reese, Elizabeth Irene,	A.B. (<i>Western Maryland College</i>) '93. German, Romance. I yr.	Westminster, Md.	37 B.
Reynolds, Myra,	A.B. (<i>Vassar College</i>) '80; A.M. (<i>Ibid.</i>) '92. English, Greek. II yr.	Pueblo, Col.	F.
Rogers, Arthur Kenyon,	A.B. (<i>Colby University</i>) '91. New Testa- ment Literature, Philosophy. II yr.	Waterville, Me.	299 S. Oakley av.
Rullkoetter, William,	A.B. (<i>University of Chicago</i>) '93. History, Political Science. I yr.	Hastings, Neb.	57 Sn.
Sanders, Frederic William,	A.B. (<i>Columbia College</i>) '83; A.M. (<i>Harvard University</i>) '92. Social Science, Philosophy. I yr.	Chicago.	54 Sn.
Scofield, Cora Louise,	A.B. (<i>Vassar College</i>) '90. History, Political Science. I yr.	Washington, Ia.	35 B.
Shafer, Emma,	Ph.B. (<i>Hillsdale College</i>) '83. German, English. I yr.	Hillsdale, Mich.	32 F.
Shaw, Edwin,	A.B. (<i>Milton College</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Greek, Sanskrit. I yr.	Milton, Wis.	5455 Monroe av.
Sikes, George Cushing,	S.B. (<i>University of Minnesota</i>) '92. Political Economy, Political Science. I yr.	Minneapolis, Minn.	5726 Drexel av.
Sinclair, James Grundy,	M.D. (<i>Bennett Medical College</i>) '83; A.B. (<i>Northwestern University</i>) '92. Political Economy, Philosophy. II yr.	Chicago.	4101 Grand boul.
Sisson, Edward Octavius,	(A.B. <i>University of Chicago</i>) '93. Philosophy. I yr.	Newcastle-on-Tyne, England.	5442 Drexel av.
Smith, Emily James,	A.B. (<i>Bryn Mawr College</i>) '89. Greek, Latin. I yr.	Canandaigua, N. Y.	25 Kl.
Soares, Theodoro Geraldo,	A.B. (<i>University of Minnesota</i>) '91; A.M. (<i>Ibid.</i>) '92. History, Greek. II yr.	Minneapolis, Minn.	24 G.
Spencer, Charles Worthen,	A.B. (<i>Colby University</i>) '90. Social Science, History. II yr.	Waterville, Me.	5620 Ellis av.

NAME.	DEGREE ; DEPT. OF STUDY ; YEAR.	NOME ADDRESS.	PRESENT ADDRESS.
Squires, Vernon Purinton,	A.B. (<i>Brown University</i>) '89. English, Philosophy. I yr.	Oneonta, N. Y.	14 G.
Start, Cora Angelina,	A.B. (<i>Vassar College</i>) '90; A.M. (<i>Ibid.</i>) '92. History, Political Science. I yr.	Worcester, Mass.	21 Kl.
Stowe, Frederick Arthur,	Ph.B. (<i>Iowa State University</i>) '92. Political Economy, Political Science. II yr.	Harvey.	Harvey.
Thomas, William Isaac,	A.B. (<i>University of Tennessee</i>) '84; A.M. (<i>Ibid.</i>) '85; Ph.D. (<i>Ibid.</i>) '86. Social Science. I yr.	Oberlin, O.	5620 Ellis av.
Tompkins, Arnold,	A.M. (<i>University of Indiana</i>). Philosophy. I yr.	Terre Haute, Ind.	Auburn Park.
Thompson, James Westfall,	A.B. (<i>Rutgers College</i>) '92. History, Political Science. II yr.	New Brunswick, N.J.	5620 Ellis av.
Thurstun, Henry Winifred,	A.B. (<i>Dartmouth College</i>) '86. Social Science, Political Economy. I yr.	La Grange.	Englewood High School.
Tunell, George,	S.B. (<i>University of Minnesota</i>) '92. Political Science, Political Economy. II yr.	Albert Lea, Minn.	24 G.
Turner, James Ulysses,	A.B. (<i>De Pauw University</i>) '93. Greek, Latin, German, Philosophy, History, Political Science. I yr.	Van Buren, Ark.	6 Sn.
Unger, Samuel Luther,	A.B. (<i>Knox College</i>) '90; A.M. (<i>Ibid.</i>) '93. Greek, Latin. I yr.	Port Byron.	3 Sn.
Walker, Arthur Tappan,	A.B. (<i>University of the City of New York</i>) '87; A.M. (<i>Vanderbilt University</i>) '92. Latin, Greek, Comparative Philology. I yr.	New York City.	42 Sn.
Walker, Dean Augustus,	A.B. (<i>Yale University</i>) '84; D.B. (<i>Ibid.</i>) '89; A.M. (<i>Ibid.</i>) '90. Semitic. I yr.	Auburndale, Mass.	18 G.
Wallace, Elizabeth,	S.B. (<i>Wellesley College</i>) '86. Political Science. II yr.	Minneapolis, Minn.	7 and 8 B.
Wallin, Madeleine,	L.B. (<i>University of Minnesota</i>) '92; Ph.M. (<i>University of Chicago</i>) '93. Political Science, History. II yr.	Fargo, N. Dak.	32 B.
Ward, Henry Winfield,	S.B. (<i>Hartsville College</i>) '86; A.B. (<i>Western College</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Greek, English. I yr.	Sparta, Mich.	5435 Kimbark av.
Ware, Richard,	L.B. (<i>Columbian University</i>) '90. Political Economy, History. I yr.	Washington, D. C.	5515 Woodlawn av.
Wasson, Van Rensselaer,	A.B. (<i>Union Christian College</i>) '87; A.M. (<i>Ibid.</i>) '90. Latin, Greek. I yr.	Sullivan, Ind.	Sn.
Waterman, Richard, Jr.,	S.B. (<i>Massachusetts Institute of Technology</i>) '92. Pedagogy, Philosophy. II yr.	Chicago.	17 G.
Weatherlow, Jane Knight,	A.B. (<i>Wellesley College</i>) English, Philosophy. I yr.	Seneca Falls, N.Y.	47 F.
Webster, William Clarence,	A.B. (<i>Abilene College</i>). History, Political Science. II yr.	Chicago.	4608 Lake av.
Weston, Hugh Stephen,	A.B. (<i>Knox College</i>) '92. German, English. I yr.	St. Louis, Mo.	5800 Jackson av.
Whaley, John Byrd,	A.B. (<i>Western Maryland College</i>) '89. Semitic. II yr.	Plymouth, N. C.	5620 Ellis av.
White, Henry Kirke,	A.B. (<i>Beloit College</i>) '88; A.M. (<i>Harvard College</i>) '92. Political Economy, Political Science. I yr.	Lanark.	10 G.
Wilkins, Walter Eugene,	A.B. (<i>Furman University</i>) '93. English Literature. I yr.	Charleston, S. C.	13 G.
Wilcox, William Craig,	A.B. (<i>University of Rochester</i>) '88. A.M. (<i>Ibid.</i>) '91. Political Science, History. II yr.	Rochester, N. Y.	12 G.
Willard, Laura,	S.B. (<i>Carleton College</i>) '87. Social Science, Political Economy. II yr.	Chicago.	5555 Woodlawn av.
Winston, Eugene,	A.B. (<i>University of Wisconsin</i>) '90. Philology, Latin. I yr.	Chicago.	363 E. 58th st.
Witkowsky, Esther,	A.B. (<i>Vassar College</i>) '86. Romance Languages. II yr.	Chicago.	2802 Prairie av.
Wood, Alfred Augustus,	A.B. (<i>Oberlin College</i>) '82; A.M. (<i>Ibid.</i>) '87. S.T.B. (<i>Boston University</i>) '88. Philosophy, Comparative Religion. I yr.	Milwaukee, Wis.	1266 W. Congress st.

NAME.	DEGREE; DEPT. OF STUDY; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Wood, Francis Asbury,	A.B. (<i>Northwestern University</i>) '80; A.M. (<i>Ibid.</i>) '83. German, English. I yr.	Aurora, Neb.	23 G.
Wright, Frederick Herbert,	A.B. (<i>Mt. Allison College</i>) '75. I yr. Semitic.	Grand Pre, N. S.	5943 Wright st.
Yeisaku, Kominami,	A.B. (<i>Keogijiku College</i>) '92. Political Economy, Political Science. I yr.	Yamagata, Japan.	27 Sn.
Zarbell, Ada,	A.B. (<i>University of Michigan</i>) '92. Comparative Philology, Greek, Latin. I yr.	Chicago.	4132 Ellis av.
Zeublin, Charles,	Ph.B. (<i>Northwestern University</i>) '87; D.B. (<i>Yale University</i>) '89. Social Science, Political Economy. III yr.	Chicago.	5134 Wabash av.
TOTAL, 154.			

THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NAME.	DEGREE; DEPT. OF STUDY; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Barrett, Ernest Clifford,	S.B. (<i>Earlham College</i>) '93. Mathematics, Political Economy. I yr.	Spring Valley, O.	29 G.
Barrett, Storrs Barrows,	A.B. (<i>University of Rochester</i>) '89. Astronomy, Physics. II yr.	Rochester, N. Y.	12 G.
Bernhard, Adolph,	A.B. (<i>Johns Hopkins University</i>) '89. Chemistry, Physics. II yr.	Stone Creek, O.	5425 Cottage Grove av.
Bothe, August Carl,	A.B. (<i>Central Wesleyan College</i>) '89. Chemistry, Physics. II yr.	St. Paul Park, Minn.	487 46th st.
Bownocker, John Adams,	S.B. (<i>Ohio State University</i>) '89. Geology. II yr.	Columbus, O.	5425 Cottage Grove av.
Boyer, Emanuel R.,	A.B. (<i>Harvard University</i>) '90. I yr. Zoology.	Englewood.	645 62d st.
Bristol, Charles Lawrence,	S.B. (<i>University of the City of N. Y.</i>) '83; S.M. (<i>Ibid.</i>) '88; Zoology, Paleontology. II yr.	Ballston Spa, N. Y.	5835 Drexel av.
Brode, Howard Stidham,	Graduate (<i>Illinois Normal University</i>) '88; Student (<i>Wood's Hall</i>) '90. Zoology, Physiology, Botany. I yr.	Urbana.	804 64th st.
Chamberlain, Charles Joseph,	A.B. (<i>Oberlin College</i>) '88. Botany, Zoology. I yr.	Oberlin, O.	759 70th st.
Chesnut, Victor King,	S.B. (<i>University of California</i>) '90. Chemistry, Physics. I yr.	Oakland, Cal.	56 Sn.
Clapp, Cornelia Maria,	Ph.B. (<i>Syracuse University</i>); Ph.D. (<i>Ibid.</i>) Zoology. I yr.	Montague, Mass.	23 F.
Cooke, Elizabeth,	S.B. (<i>University of Michigan</i>) '93. Physiology, Physics. I yr.	Chicago.	35 F.
Deaton, Eula Weston,	A.B. (<i>Industrial Institute and College of Miss.</i>) '89; Mathematics, English. I yr.	Childress, Tex.	46 F.
Emerson, Dora Bay,	S.B. (<i>Wellesley College</i>) '92. I yr.	Rockford.	5841 Madison av.
Farr, Marcus Stults,	A.B. (<i>Princeton College</i>) '92; S.M. (<i>Ibid.</i>) '92; Paleontology, Zoology. I yr.	Cranbury, N. J.	9 G.
Fenelon, Eunice Agnes,	S.B. (<i>Lawrence University</i>) '90. Mathematics, Political Economy. I yr.	Appleton, Wis.	11 F.
Ford, Elizabeth Keith,	(<i>Daughters College, Ky.</i>) Geology. I yr.	Paris, Ky.	5612 Drexel av.
Froley, John William,	S.B. (<i>University of Missouri</i>) '88; S.M. (<i>Ibid.</i>) 1892; Astronomy, Mathematics. II yr.	Canton, Mo.	5630 Ingleside av.
Gillespie, William,	A.B. (<i>Toronto University</i>) '93. Mathematics, Physics. I yr.	Hamilton, Can.	4338 Greenwood av.
Gordon, Charles Henry,	S.B. (<i>Albion College</i>) '86; S.M. (<i>Ibid.</i>) '90. II yr.	Evanston.	453, 55th st.
Hardcastle, Frances,	Mathematical Tripos (<i>Cambridge, England</i>); Part I, 1891, Part II, '92. Mathematics. I yr.	London, Eng.	29 Kl.
Hardesty, Irving.	A.B. (<i>Wake Forest College</i>) '92. Zoology, Physiology, Histology. I yr.	Wakefield, N. C.	5435 Kimbark av.

NAME.	DEGREE ; DEPT. OF STUDY ; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Harvey, Seth.	S.B. (<i>Wilmington College</i>). Mathematics, Astronomy. I yr.	Ogden, O.	56 Sn.
Hay, Oliver Perry,	A.B. (<i>Eureka College</i>) '70; Ph.D. (<i>Indiana University</i>) '87; Palæontology, Zoology. II yr.	Chicago.	6214 May st.
Heller, Napoleon Bonaparte,	S.B. (<i>University of Pennsylvania</i>) '84. Mathematics, Astronomy. II yr.	Philadelphia, Pa.	36 Sn.
Hesse, Bernhard Conrad.	Ph.C. (<i>University of Michigan</i>) '89; S.B. (<i>Ibid.</i>) '93; Chemistry, Physics. I yr.	Saginaw, E.S., Mich.	7 Sn.
Huff, William Bashford,	A.B. (<i>University of Wisconsin</i>) '89. Mathematics, Physics. II yr.	Boscobel, Wis.	3821 Aldine place.
Hutchinson, John Irwin,	A.B. (<i>Bates College</i>) '89. Mathematics, Astronomy. II yr.	Chicago.	528 E. 46th st.
Joffe, Solomon Achillowitz,	S.M. (<i>University of the City of New York</i>) '93. Mathematics, Mechanics. I yr.	Chicago.	572 S. Halsted st.
Johnson, Herbert Parlin,	A.B. (<i>Harvard University</i>) '89; A.M. (<i>Ibid.</i>) '90; Zoology, Neurology. II yr.	Everett, Mass.	5800 Jackson av.
Kummel, Henry Barnard,	A.B. (<i>Beloit College</i>) '89; A.M. (<i>Harvard University</i>) '92; Geology. II yr.	Milwaukee, Wis.	
Lehman, Daniel Acker,	S.B. (<i>Normal School, Millersville, Pennsylvania</i>); Ph.B. (<i>Wesleyan University, Middletown, Connecticut</i>); Mathematics, Astronomy. I yr.	Chambersburg, Pa.	55 Sn.
Lillie, Frank Rattray,	A.B. (<i>University of Toronto</i>) '91. Zoology, Neurology. II yr.	Toronto, Can.	5316 Jackson av.
Markhof, Otto Mautner,	Ph.D. (<i>University of Vienna</i>) '90. Chemistry, Physics. I yr.	Vienna, Austria.	3146 Wabash av.
McGriskin, Lawrence,	A.M. (<i>Mt. St. Mary's College, Md.</i>) '86. Mathematics. I yr.	Cummings.	Cummings.
Merriam, John Campbell,	S.B. (<i>Lenox College</i>) '86; Ph.D. (<i>Munich University</i>) '93. Zoology and Palæontology. I yr.		41 Sn.
Mead, Albert David,	A.B. (<i>Middlebury College</i>) '80; A.M. (<i>Brown University</i>) '92. Zoology, Neurology. II yr.	Middlebury, Vt.	64 Warren st.
Miller, Merton Leland,	A.B. (<i>Colby University</i>) '90. Anthropology, Biology. II yr.	Lowell, Mass.	5620 Ellis av.
Mitchell, Benjamin Sidney,	S.B. (<i>Wake Forest College</i>) '90. Chemistry, Physics. I yr.	Youngsville, N. C.	36 Sn.
Munson, John P.,	S.B. (<i>University of Wisconsin</i>) '87; S.M. (<i>Ibid.</i>) '92; Ph.B. (<i>Yale University</i>) '92; Zoology, Physiology. I yr.	Shabbona,	Kalorama Hotel.
Newby, Charles B.,	S.B. (<i>Earlham College</i>) '89. Chemistry, Physics. II yr.	Converse, Ind.	5806 Drexel av.
Peet, Charles Emerson,	S.B. (<i>University of Wisconsin</i>) '92. Geology. II yr.	Aron.	
Perisho, Elwood Chappell,	S.B. (<i>Earlham College</i>) '87; S.M. (<i>Ibid.</i>) '91; Geology, Mineralogy. I yr.	Carmel, Ind.	5806 Drexel av.
Quereau, Edmund Chase,	Ph.B. (<i>Northwestern University</i>) '88; Ph.M. (<i>Ibid.</i>) '92; Ph.D. (<i>Freiburg, Baden</i>) '93; Geology, Petrology. I yr.	Aurora.	5757 Madison av.
Schottenfels, Ida May,	Ph. B. (<i>Northwestern University</i>) '92. Mathematics. I yr.	Chicago.	5810 Drexel av.
Slaught, Herbert Ellsworth,	A.B. (<i>Colgate University</i>) '83; A.M. (<i>Ibid.</i>) '86; Mathematics, Astronomy. II yr.	Englewood.	440 64th st.
Smith, James Archy	Ph.B. (<i>Denison University</i>) '89; A.M. (<i>Ibid.</i>) '92; Mathematics. II yr.	Merceer's Bottom, W. Va.	49 D.
Smith, Warren Rufus.	A.B. (<i>Bowdoin College</i>). Chemistry, Physics. II yr.	Litchfield Corners, Me.	
Stafford, John,	A.B. (<i>University of Toronto</i>) '87; D.B. (<i>Morgan Park Theological Seminary</i>) '89; Physiological Psychology, Neurology. I yr.	Flesherton, Can.	6124 Wharton av.
Stone, Harriet,	A.B. (<i>Wellesley College</i>) '89. Chemistry, Mathematics. II yr.	Chicago.	3352 Indiana av.
Stone, Isabelle,	A.B. (<i>Wellesley College</i>) '90. Physics, Chemistry. I yr.	Chicago.	3352 Indiana av.
Sturges, Mary Mathews.	S.B. (<i>University of Michigan</i>) '93. Zoology, Physiology. I yr.	Oak Park.	19 B.
Swartz, Samuel Ellis,	A.B. (<i>Denison University</i>) '79. Chemistry, Physics. II yr.	Chicago.	5726 Drexel av.
Taylor, Nellie M.,	A.B. (<i>Hanover College</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics, Philosophy. I yr.	Hanover, Ind.	12 B.

NAME.	DEGREE; DEPT. OF STUDY; YEAR.	HOME ADDRESS.	PRESENT ADDRESS.
Taylor, William Edgar,	A.B. (<i>Clinton College</i>) '79; A.M. (<i>Ibid.</i>) '85; S.M. (<i>Purdue University</i>) '92. Paleontology, Zoology. II yr.	<i>Peru, Neb.</i>	5427 Cottage Grove av.
Torrey, Clarence Almon,	Ph.B. (<i>Cornell College</i>) '90. Mathematics. II yr.	<i>Manchester, Ia.</i>	41 Sn.
Whitney, Albert Wurts,	A.B. (<i>Beloit College</i>) '91. Physics, Mathematics. I yr.	<i>Beloit, Wis.</i>	2 G.
Willard, Daniel Everett,	A.B. (<i>Oxford University</i>) '88; A.M. (<i>Ibid.</i>) '90. Geology. II yr.	<i>Nile, N. Y.</i>	3715 Langley av.
Wolfe, Katharine Margaret,	L.B. (<i>Adrian College</i>) S.B. (<i>Ibid.</i>) Biology, Physics. I yr.	<i>Tiffin, O.</i>	B.
Wood, Robert William,	A.B. (<i>Harvard University</i>) '91. Chemistry, Physics. II yr.	<i>Chicago.</i>	5237 Jefferson av.
TOTAL, 60.			

NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Breasted, James H.,	A.B. (<i>Northwestern College</i>) '89. Semitic.	<i>Berlin, Germany.</i>
Brown, John Burrows,	A.B. (<i>Knox College</i>) '86; A.M. '89. Constitutional History.	<i>Roseville.</i>
Burris, William Paxton,	Ph.B. (<i>De Pauw University</i>) '91. Philosophy.	<i>Bluffton, Ind.</i>
Echlin, Henry M.,	S.B. (<i>Northwestern University</i>) '92. Political Economy.	<i>Armour Institute.</i>
Hull, Daniel,	A.B. (<i>Upper Canada College</i>). Mathematics.	<i>Toronto, Canada.</i>
Locy, William A.,	S.B. (<i>University of Michigan</i>) '81; S.M. (<i>Ibid.</i>) '84; Zoology. II yr.	<i>Lake Forest.</i>
McKay, Alexander Charles,	A.B. (<i>University of Toronto</i>) '85. Mathematics.	<i>Toronto, Ontario.</i>
McKee, William Parker,	A.B. (<i>Wabash College</i>) '83; D.B. (<i>Morgan Park Theological Seminary</i>) 1887. Ancient History.	522, 12th av. S. E., Minneapolis, Minn.
Patton, Walter M.,	D.B. (<i>Wesleyan Theological College, Montreal</i>). Semitic.	228 University st., Montreal, Canada.
Pratt, Alice E.,	Ph.B. (<i>University of California</i>) '92; Ph.M. (<i>University of Chicago</i>) '93. English.	<i>British Museum, London, Eng.</i>
Smith, William H.,	A.B. (<i>Amherst College</i>) '90. Comparative Philology.	<i>Lahainauna Maui, H. I.</i>
Treadwell, A. L.,	S.B. (<i>Wesleyan University</i>) '88; S.M. (<i>Ibid.</i>) '90. Zoology.	<i>Miami University, Oxford, O.</i>
Udden, John August,	A.B. (<i>Augustana College</i>) '81; A.M. (<i>Ibid.</i>) '89. Geology.	1000, 38th st., Rock Island.
Walker, Buzz M.,	B.S. (<i>Agricultural and Mechanical College of Mississippi</i>) '83; M.S. (<i>Ibid.</i>) '86. Mathematics.	<i>Agricultural College, Miss.</i>
Walton, Frederick J.,	A.B. (<i>Brown University</i>) '80; A.M. (<i>Ibid.</i>) '83. Semitic.	6949 Webster av., Englewood.
Willett, Herbert Lockwood,	A.B. (<i>Bethany College</i>) ; A.M. (<i>Ibid.</i>) '86. Semitic. II yr.	<i>Ann Arbor, Mich.</i>
Winston, Eugenia,	A.B. (<i>University of Wisconsin</i>) '90. History.	363 E. 58th st.
Wood, Irving F.,	A.B. (<i>Hamilton College</i>) '85; A.M. (<i>Ibid.</i>) '88; D.B. (<i>Yale University</i>) '92. Philosophy.	<i>Smith College, Northampton, Mass.</i>
TOTAL, 18.		

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Aitchison, John Young,	A.B., (<i>Des Moines College</i>) '93. I yr.	<i>Des Moines, Ia.</i>	135 D.
Allen, Charles William,	A.B. (<i>Bucknell University</i>) '92. II yr.	<i>Seranton, Pa.</i>	45 D.
Allen, Jr., Ira Wilder,	A.B., A.M. (<i>Williams College</i>) '84. II yr.	<i>Englewood.</i>	612 Maple st.
Ashby, James William,	(<i>East London Institute</i>) '93. III yr.	<i>Chicago.</i>	1145 Lexington av.
Atchley, Isaac Carroll,	(<i>Drury College</i>) '93. I yr.	<i>Springfield, Mo.</i>	35 D.
Atteberry, Stephen Allen,	A.B. (<i>La Grange College</i>) '91. III yr.	<i>La Grange, Mo.</i>	137 D.
Beyl, John Lewis,	S.B. (<i>Borden Institute</i>) '89. I yr.	<i>Jeffersonville, Ind.</i>	108 D.
Binder, Michael,	A.B. (<i>Harvard College</i>) '93. IV yr.	<i>Medyes, Hungary.</i>	46 D.
Bowen, Everett Anthony,	A.B. (<i>Brown University</i>) '92. II yr.	<i>Providence, R. I.</i>	129 D.
Braker, Jr., George,	A.B. (<i>Colgate University</i>) '93. I yr.	<i>Brooklyn, N. Y.</i>	138 D.
Bradsmark, Anders Larsen,	(<i>Morgan Park Theological Seminary</i>) III yr.	<i>Slagelse, Denmark.</i>	87 D.
Bronson, Fred C. G.,	A.B. (<i>Yale University</i>) '92. II yr.	<i>Norwich, Conn.</i>	105 D.
Bruce, Preston P.,	A.B. (<i>Cornell College, Iowa</i>) '93. I yr.	<i>Manchester, Ia.</i>	78 D.
Brumbaugh, John Boyer,	(<i>Brethren's Normal College</i>) '93. Special.	<i>Huntingdon, Pa.</i>	5423 Monroe av.
Brownson, Edwin Julius,	A.B. (<i>Colgate University</i>) (<i>Newton Theological Seminary</i>). IV yr.	<i>Englewood.</i>	Abel Bldg. Englewood.
Case, Carl Delos,	A.B. (<i>Colgate University</i>) '91. II yr.	<i>St. Anthony Park, Minn.</i>	126 D.
Chalmers, William Everett,	A.B. (<i>Brown University</i>) '93. I yr.	<i>Paterson, N. J.</i>	133 D.
Chapin, Judson Clarke,	A.B. (<i>University of Rochester</i>) '89. II yr.	<i>Chicago.</i>	3816 Rhodes av.
Coon, Daniel Israel,	A.B. (<i>State University of Iowa</i>) '89.	<i>Osage, Ia.</i>	6126 Wharton av.
Coon, David Burdette,	S.B. (<i>Milton College</i>) '91. III yr.	<i>Chicago.</i>	5455 Monroe av.
Cressey, Frank Graves,	A.B. (<i>Brown University</i>) '91. II yr.	<i>Los Angeles, Cal.</i>	133 D.
Crisswell, John Marion,	A.B. (<i>Denison University</i>) '92. II yr.	<i>S. Kirtland, O.</i>	136 D.
Davis, John Tinsdale,	A.B. (<i>Alfred University</i>) '89. IV yr.	<i>Alfred Center, N. Y.</i>	48 D.
Davis, Ulysses Sherman,	A.B. (<i>Denison University</i>) '92. II yr.	<i>Youngstown, O.</i>	77 D.
Eakin, John Alexander,	A.B. (<i>Beloit College</i>) '87. II yr.	<i>Elgin.</i>	55 D.
Eaton, William Henry,	A.B. (<i>Ottawa University</i>) '93. I yr.	<i>Ottawa, Kans.</i>	86 D.
Eddy, William Jobes,	A.B. (<i>West Virginia University</i>) '93. I yr.	<i>Cross Roads, W. Va.</i>	34 D.
Eubank, Marian D.,	A.B. (<i>William Jewell College</i>), M.D. (<i>Marion Simms College of Medicine</i>) '91. I yr.	<i>Pleasant Hill, Mo.</i>	137 D.
Fisk, Henry Alfred,	L.B. (<i>University of California</i>) '91. II yr.	<i>St. Charles.</i>	70 D.
Fletcher, Charles Wesley,	A.B. (<i>Wheaton College</i>) '92. I yr.	<i>Chicago.</i>	127 D.
Ford, John Elijah,	(<i>Beloit College Academy</i>) '91. III yr.	<i>Chicago.</i>	57 D.
Frantz, Edward,	A.B. (<i>Ohio Normal University</i>) '91. II yr.	<i>Chicago.</i>	5423 Monroe av.
Georges, Mooshie,	(<i>Oroomiah College, Persia</i>). I yr.	<i>Oroomiah, Persia.</i>	110 D.
Goodman, Alfred Ebenezar,	A.B. (<i>Ottawa University</i>) '91. II yr.	<i>Antrim, Kans.</i>	132 D.
Grant, John Hiram,	A.B. (<i>Amherst College</i>) '92. II yr.	<i>Goldsborough, N. C.</i>	129 D.
Grarup, Christ Petersen,	(<i>Morgan Park Theological Seminary</i>). III yr.	<i>N. Suede, Denmark.</i>	87 D.
Guard, Paul,	Th.B. (<i>Oberlin</i>) '93. I yr.	<i>Cleves, O.</i>	65 D.
Hageman, Simon Sylvester,	A.B. (<i>Ottawa University</i>) '93. I yr.	<i>Clifton, Kas.</i>	85 D.
Harris, Jasper,	(<i>State Normal College, Alabama</i>). II yr.	<i>Chicago.</i>	72 D.
Hazelton, Carl Dorsey,	A.B. (<i>Franklin College</i>) '93. I yr.	<i>Richmond, Ind.</i>	148 D.
Herrick, Julian Avery,	S.B. (<i>La Grange College</i>) '92. II yr.	<i>La Grange, Mo.</i>	79 D.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. III yr.	<i>Pavilion.</i>	5427 Lasalle st.
Holcomb, George Perry,	A.B. (<i>University of Rochester</i>) '89. IV yr.	<i>Rochester, N. Y.</i>	75 D.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Horne, George,	A.B. (<i>Ottawa University</i>) '91. III yr.	Chicago.	132 D.
Howard, Harry,	A.B. (<i>Trinity College</i>) '91. III yr.	Chicago.	5548 Ingleside av.
Howard, Walter Simon,	A.B. (<i>University of Rochester</i>) '91. I yr.	Port Huron, Mich.	122 D.
Howland, Hanson,	A.B. (<i>Princeton College</i>) '92. II yr.	Savana.	Keene Hotel, 55th st
Hurley, Hugh Henry,	(<i>Woodstock College, Ontario</i>). I yr.	Charter, Man.	44 D.
Irvine, William Franklin,	A.B. (<i>University of Manitoba</i>) '91. III yr.	Yorkville.	Yorkville.
Ingraham, Lee Joseph,	A.B. (<i>Acadia University</i>) '91. I yr.	Frizzleton, Nova Scotia.	83 D.
Jones, Henry Farrar,	(<i>Ottawa University</i>) '91. II yr.	Berdena, Kans.	143 D.
Kinney, Bruce,	A.B. (<i>Denison University</i>) '92. II yr.	Plano.	128 D.
Lake, Elisha Moore,	(<i>Bucknell University</i>). III yr.	Elmira, N. Y.	141 D.
Larson, Nels R.,	(<i>Morgan Park Theological Seminary</i>). III yr.	Morgan Park.	119 D.
Laudahl, Nels Lorenson,	(<i>Morgan Park Theological Seminary</i>). III yr.	Kasson, Minn.	119 D.
Leadingham, John,	A.B. (<i>Oberlin</i>) '83; (<i>Oberlin Seminary</i>) '87.	Oberlin, O.	80 D.
Lemon, Charles Augustus,	A.B. (<i>Colgate University</i>) '92. II yr.	Attica, N. Y.	142 D.
Lockhart, John Moses,	L.B. (<i>Denison University</i>) '92. II yr.	Harvey.	Harvey.
Lord, George,	(<i>Morgan Park Theological Seminary</i>). III yr.	Central Park.	152 D.
Martin, Benjamin F.,	(<i>Morgan Park Theological Seminary</i>). III yr.	Berwyn.	Berwyn.
McKinney, Everson Ryder,	L.B. (<i>University Minnesota</i>) '87. I yr.	Rochelle.	69 D.
Morgan, James Albert,	A.B. (<i>Franklin College</i>) '93. I yr.	Montgomery, Ind.	5550 Drexel av.
Myhrmann, David,	(<i>Baptist Theological Seminary, Sweden</i>). II yr.	Stockholm, Sweden.	73 D.
Newcomb, Arthur F.,	A.B. (<i>Acadia University</i>) '92. II yr.	Wolfville, Nova Scotia.	56 D.
Nichols, Walter Hammond,	S.B. (<i>University of Michigan</i>). Special.	Ann Arbor, Mich.	5800 Jackson av.
Nichols, Ettie B.,	(<i>University of Michigan</i>). Special.	Ann Arbor, Mich.	5800 Jackson av.
Noftsinger, John Eubank,	(<i>Morgan Park Theological Seminary</i>). III yr.	Lithia, Va.	144 D.
Nordlander, Eric Johan,	(<i>Morgan Park Theological Seminary</i>). III yr.	Roseland.	Roseland.
Osborn, Loran David,	A.B. (<i>University of Michigan</i>) '91. II yr.	Grand Rapids, Mich.	76 D.
Peterson, William August,	D.B. (<i>Morgan Park Theological Seminary</i>) '90. IV yr.	Chicago.	97 D.
Phillips, Daniel Thomas,	(<i>Haverford College, Wales</i>) '64. II yr.	Chicago.	7142 Kinney av.
Phillips, Nellie Maria,	S.B. (<i>Hillsdale College</i>) '75. Special.	Chicago.	5515 Woodlawn av.
Proctor, John Thomas,	A.B. (<i>William Jewell College</i>) '91. II yr.	Philadelphia, Mo.	Windsor Park.
Randall, John Herman,	A.B. (<i>Colgate University</i>) '92. I yr.	St. Paul, Minn.	89 D.
Read, Eliphlet Allison,	A.B. (<i>Acadia University</i>) '91. III yr.	Berwick, Nova Scotia.	128 D.
Rhodes, Jesse Cassandra,	A.B. (<i>Franklin College</i>) '92. II yr.	Rensselaer, Ind.	5550 Drexel av.
Rocen, Johan,	(<i>Swedish Theological Seminary, Morgan Park</i>) '92. I yr.	Chicago.	101 D.
Sanders, James Franklin,	A.B. (<i>Furman University</i>) '92. II yr.	Sabuda, S. C.	93 D.
Sanderson, Eugene Claremont,	A.B. (<i>Oskaloosa College</i>) '83; A.M. (<i>Drake University</i>) '86; D.B. (<i>Drake Divinity School</i>) '93. IV yr.	Tacoma, Wash.	1449 69th st.
Shatto, Charles Rollin,	A.B. (<i>Western College, Toledo, Iowa</i>) '90. III yr.	Toledo, Ia.	130 D.
Starkweather, Ernest Edward,	A.B. (<i>Ottawa University</i>) '91. III yr.	Clay Centre, Kans.	Englewood Y.M.C.A.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>). III yr.	City of Mexico, Mexico.	145 Oakwood boul.
Stevens, Almon Odell,	A.B. (<i>Bucknell University</i>) '91. II yr.	Kingsley, Pa.	136 D.
Varney, Edgar Dow,	A.B. (<i>Bates College</i>) '86.	Fort Collins, Colo.	6126 Wharton av.
Waldo, William Albergince,	Th.B. (<i>Morgan Park Theological Seminary</i>) '92. I yr. B.Ph. (<i>Des Moines College</i>) '93. IV yr.	Drayton, N. Dak.	Fernwood.
Ward, John Albert,	S.B. (<i>Western College</i>) '89. III yr.	Odon, Ind.	150 D.
Watson, Arthur Tilley,	A.B. (<i>Colby University</i>) '91. II yr.	Oakland, Me.	151 D.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Wilkin, William Arthur,	A.B. (<i>Denison University</i>) '93. IV yr.	New Market, O.	71 D.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. II yr.	Maywood.	90 D.
Wood, George R.,	Ph.B. (<i>Denison University</i>) '88; B.D. (<i>Morgan Park Theological Seminary</i>) '91. IV yr.	Joliet.	Joliet, Ill.
Wood, William Robert,	(<i>University of Colorado</i>). II yr.	Chicago.	6231 Sheridan av.
Wright, George Clarence,	A.B. (<i>Denison University</i>) '93. I yr.	Englewood.	520 Maple st.
Wyant, Andrew Robt. Elmer,	A.B. (<i>Bucknell University</i>) '92. II yr.	Adrian, Pa.	112 D.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; Crozer (<i>Theological Seminary</i>) '89. IV yr.	Philadelphia, Pa.	146 D.
TOTAL, 94.			

THE ENGLISH THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Allen, Hiram Howard,	I yr.	Bassett, Neb.	6617 Laffin av.
Bailey, Robert,	(<i>Morgan Park Theological Seminary</i>). III yr.	Barrington.	120 D.
Blake, James,	II yr.	Chicago.	1145 Lexington av.
Berry, Henry Havelock,	I yr.	West Sumner, Me.	125 D.
Bixon, Frank Prince,	(<i>Denison University</i> , also <i>Ohio Institute for Blind</i>) '89. III yr.	New York, N. Y.	140 D.
Boynton, Melbourn Parker,	(<i>California College</i>). II yr.	Newark.	54 D.
Broomfield, Thomas,	Special.	Mapleton, Minn.	53 D.
Carroll, Robert,	(<i>Private School, Zenorville, Ia.</i>) II yr.	Earlville.	5743 Kimbark av.
Case, Frank Almerian,	(<i>Georgetown College</i>). II yr.	Waterman.	63 D.
Davies, Frederick George,	(<i>Nebraska City College</i>). III yr.	Somonauk.	390, 57th st.
Dent, Joseph Croft,	(<i>The Bible Institute, Chicago</i>). I yr.	Maplewood.	39 D.
Dexter, Stephen Byron,	I yr.	Polo.	37 D.
Dewey, Walter Levi,	II yr.	Willoughby, O.	52 D.
Elliott, John Waterman.	(<i>Morgan Park Theological Seminary</i>) III yr.	Riverdale.	Riverdale.
Evans, Thomas Silas,	Special studies (<i>Woodstock College; McMaster University, Toronto</i>).	Toronto, Can.	84 D.
Fradenburg, John Victor,	(<i>Woodstock College</i>). I yr.	Upper Ontario.	141 D.
Giblett, Thomas John,	(<i>East London Institute, London, Eng.</i>)	Marley.	152 D.
Gill, Theophilus Anthony,	(<i>Princeton College</i>). II yr.	West Park on the Hudson, N. Y.	50 D.
Grablachoff, Welike,	(<i>Crozer Theological Seminary</i>). II yr.	Tulcho, Rumania.	62 D.
Hatch, Elmer Ellsworth,	(<i>California College</i>). I yr.	Lafayette, Cal.	143 D.
Hole, Charles Boyd,	(<i>Morgan Park Theological Seminary</i>) II yr.	Fairbury, Neb.	140 D.
Jones, John W.,	A.B. (<i>Kansas Normal College</i>) '86. II yr.	Parsons, Kans.	1043 Otto st.
Lockwood, Clarence Herman,	(<i>Cedar Valley Seminary</i>) '90. I yr.	Coldwater, Ia.	5709 Drexel av.
Lockwood, Mrs. Emma Little,	Special.	Coldwater, Ia.	5709 Drexel av.
Loughridge, John Wilfred,	III yr.	Ryerson Station, Pa.	145 D.
Lucas, Finley Irwin,	I yr.	Independence, Mo.	108 D.
Mason, George Claude,	(<i>High School, Jacksonville, Ill.</i>) I yr.	Mason City, Ia.	109 D.
McDonald, Ephraim Harvey,	(<i>Bucknell University</i>). III yr.	Detroit, Mich.	57 D.
Morgan, Jennie Chaille,	(<i>Franklin College</i>). Special.	Chicago.	5550 Drexel av.
Paul, Joseph,	(<i>Military School, India</i>). I yr.	North Henderson.	81 D.
Robinson, Charles Wirt.	(<i>Cook Academy</i>). II yr.	North Hector, N. Y.	47 D.
Robinson, Ulysses G.,	(<i>Colgate, four years</i>). I yr.	Englewood.	5604 Wentworth av.
Schlamann, Ernest Alfred,	(<i>Indiana State Normal</i>). II yr.	Terre Haute, Ind.	88 D.
Smith, Charles Houston,	(<i>Michigan Manual Training School</i>). I yr.	Chicago.	109 South Leavitt st.

NAME.	DEGREE AND PLACE ; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Speicher, John Gabriel,	M.D. (<i>University of Iowa</i>) '83. II yr.	<i>Hudson, Ia.</i>	272, 90th st.
Stewart, John Henry,	(<i>Morgan Park Theological Seminary.</i>) III yr.	<i>Newcastle-on-Tyne, Eng.</i>	145 D.
Stucker, Edwin Stanton,	(<i>Morgan Park Theological Seminary,</i> <i>Ottawa University.</i>) III yr.	<i>Aurora.</i>	144 D.
Summers, Marshall Aaron,	I yr.	<i>Hinckley.</i>	60 D.
Thompson, Thora Maria,	(<i>Pillsbury Academy.</i>) III yr.	<i>Monterideo, Minn.</i>	
Troyer, Leroy Ellsworth,	B.S. (<i>University of Nebraska</i>) '92. I yr.	<i>Dorehester, Neb.</i>	835½ West Polk st.
Vreeland, Charles Frank,	(<i>Michigan State Normal School.</i>) II yr.	<i>Michigan City, Ind.</i>	51 D.
Wheeler, Horace Jonathan,	(<i>Morgan Park Theological Seminary.</i>) III yr.	<i>Atlanta.</i>	120 D.
West, John Sherman,	B.S. (<i>Massachusetts Agricultural College</i>) '90. I yr.	<i>Belchertown, Mass.</i>	63 D.
Witt, Stephen,	I yr.	<i>Emery Down Lynd-</i> <i>hurst, Hants, Eng.</i>	59 D.
Wood, Joel Franklin,	S.B. (<i>Franklin College</i>) '90. II yr.	<i>Smithfield, O.</i>	92 D.
Wheatley, Tenney Hall,	B.S. (<i>Agricultural College, Vermont</i>) '93. I yr.	<i>East Brookfield, Vt.</i>	99 D.
TOTAL, 46.			

DANISH-NORWEGIAN DEPARTMENT.

NAME.	DEGREE AND PLACE ; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Andersen, Hans Peter,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Chicago.</i>	107 D.
Andersen, Hans Martin,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Arondal, Norway.</i>	98 D.
Borsheim, Sjur Olson,	II yr.	<i>Bergen, Norway.</i>	98 D.
Hansen, Theodore,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Oconomowoc, Wis.</i>	115 D.
Nielsen, Martin,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Alden P. O., Minn.</i>	107 D.
Overgaard, Peder Pedersen,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Bjarko, Norway.</i>	97 D.
Raamussen, Lars,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Berton, S. Dak.</i>	115 D.
TOTAL, 7.			

THE SWEDISH DEPARTMENT.

NAME.	DEGREE AND PLACE ; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Berglund, Magnus,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Dekalb.</i>	34 D.
Carlson, Sven Gustaf,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Swea, Ia.</i>	117 D.
Carlson, John Amandus,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>New York, N. Y.</i>	117 D.
Clint, Rudolf Anton,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Jamestown, N. Y.</i>	114 D.
Johnson, John Daniel,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Litchfield, Minn.</i>	114 D.
Lindblad, Edward Sigurd,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Oakland, Neb.</i>	101 D.
Nelson, Sven August,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Kiron, Ia.</i>	113 D.
Nelson, Swaney August,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Minneapolis, Minn.</i>	118 D.
Nelson, Carl Anton,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Chicago.</i>	113 D.
Nylin, Carl Emil,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Kansas City, Mo.</i>	116 D.
Olson, Lewis Ernest,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Forest City, Ia.</i>	118 D.
Sandell, Victor,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Iron River, Mich.</i>	116 D.
TOTAL, 12.			

THE UNIVERSITY COLLEGES.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST ^R .	HOME ADDRESS.	PRESENT ADDRESS.
Barnes, Samuel Denham,	S.B., II yr.	<i>Beloit College.</i>	<i>Chicago.</i>	3617 Prairie av.
Behan, Warren Palmer,	A.B., II yr.	<i>Beloit College.</i>	<i>Chicago.</i>	448 Bowen av.
Blackmarr, Frank Hamlin,	S.B., II yr.	<i>Alleghany College, Jamestown, N. Y.</i>	<i>Englewood.</i>	613 Chestnut st.
Castle, Mary,	Ph.B., II yr.	<i>Bucknell University.</i>	<i>Alexandria, O.</i>	5440 Monroe av.
Chadbourn, Frank Wesley,	A.B., II yr.	<i>University of Rochester.</i>	<i>Columbus, Wis.</i>	5722 Kimbark av.
Church, Harry Victor,	Ph.B., II yr.		<i>Burlington, Kans.</i>	12 Sn.
Curtis, John Birdsey,	A.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	7437 Nutt av.
Daniels, Mary Lucretia,	A.B., II yr.	<i>Vassar College.</i>	<i>New Haven, Ct.</i>	26 Kl.
Dickerson, Philip Jackson,	A.B., II yr.	<i>Bucknell University.</i>	<i>Lula, Va.</i>	317, 61st st.
Eastman, Frederick Wilson,	A.B., I yr.	<i>University of Rochester.</i>	<i>Pearl Creek, N. Y.</i>	24 Sn.
Guyer, Michael Frederic,	S.B., II yr.	<i>Plattsburg High School.</i>	<i>Plattsburg, Mo.</i>	5425 Cottage Grove av.
Hay, Mary,	Ph.B., I yr.	<i>Butler University.</i>	<i>Englewood.</i>	6214 May st.
Heil, John Henry,	A.B., II yr.	<i>Northwestern University.</i>	<i>Chicago.</i>	3816 Rhodes av.
Hubbard, Marion Elizabeth,	S.B., I yr.	<i>Mt. Holyoke College.</i>	<i>McGregor, Ia.</i>	23 F.
Hulbert, Ettie Louise,	Ph.B., I yr.	<i>University of Michigan.</i>	<i>Morgan Park.</i>	K.
Hunter, John Franklin,	A.B., II yr.	<i>University of Toronto.</i>	<i>Minto, N. Dak.</i>	59 Sn.
Kohlsaatt, Philemon Bulkley,	S.B., II yr.	<i>Northwestern University.</i>	<i>Chicago.</i>	12 Sn.
Kruse, William Henry,	A.B., I yr.	<i>Concordia College.</i>	<i>Beecher.</i>	1706, 51st st.
Lambert, Lillian Vitalique,	S.B., I yr.	<i>Penn College, Ia.</i>	<i>What Cheer, Ia.</i>	5612 Drexel av., Flat D.
Laning, John Lane,	Ph.B., II yr.	<i>Illinois College.</i>	<i>Petersburg.</i>	49 Sn.
Lewis, Albert Buell,	A.B., I yr.	<i>University of Wooster.</i>	<i>Santa Anna, Cal.</i>	5620 Ellis av.
Livingstone, Katharine Agnes,	Ph.B., I yr.	<i>University of Minnesota.</i>	<i>LaCrosse, Wis.</i>	23 B.
Logie, Alfred Ernest,	A.B., II yr.	<i>Pomona College, Cal.</i>	<i>Redlands, Cal.</i>	Grand Crossing.
Lozier, Horace Gillette,	A.B., I yr.	<i>Northwestern University.</i>	<i>Mt. Vernon, Ia.</i>	50 Sn.
Marot, Mary Louise,	S.B., II yr.	<i>Wellesley College.</i>	<i>Dayton, O.</i>	2 F.
Martin, Charles John,	Ph.B., I yr.	<i>Upper Iowa University.</i>	<i>Defiance, O.</i>	61 Sn.
McMahan, Una,	A.B., I yr.	<i>Smith College.</i>	<i>Chicago.</i>	5478 Woodlawn av.
Milligan, Henry Forsythe,	A.B., II yr.	<i>Reformed Episcopal Theological Seminary, Philadelphia.</i>	<i>Chicago.</i>	3719 Rhodes av.
Moran, Thomas William,	Ph.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	4710 Vincennes av.
Morgan, Edwin,	A.B., II yr.	<i>Bucknell University.</i>	<i>East Stroudsburg, Pa.</i>	317, 61st st.
Northrup, Alfred Sayles,	A.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	55 Sn.
Osgood, William Pleasants,	S.B., I yr.	<i>Northwestern University.</i>	<i>Austin.</i>	135 D.
Pierce, Earl Vaydor,	A.B., II yr.	<i>Sioux Falls University.</i>	<i>Ipswich, S. D.</i>	46 Sn.
Prescott, William Howard,	Ph.B., II yr.	<i>Western Reserve University.</i>	<i>Cleveland, O.</i>	19 Sn.
Radford, Maude Lavenia,	Ph.B., II yr.	<i>Ingham College, N. Y.</i>	<i>Le Roy, N. Y.</i>	3801 Prairie av.
Ramsey, Stanley Mathews,	A.B., I yr.	<i>Williams College.</i>	<i>Cincinnati, O.</i>	38 Sn.
Ricketts, Charles Walter,	A.B., I yr.	<i>University of Michigan.</i>	<i>Charleston.</i>	Boston Hotel, 55th st.
Taylor, Thomas Jackson,	A.B., II yr.	<i>Missouri State University.</i>	<i>St. Louis, Mo.</i>	5836 Drexel av.
Templeton, Howard,	A.B., I yr.	<i>Northern Indiana Normal School.</i>	<i>Canton, O.</i>	4 G.
Walker, Florence Mercy,	Ph.B., II yr.	<i>Ingham University, N. Y.</i>	<i>Le Roy, N. Y.</i>	43 F.
Willis, Henry Parker,	A.B., II yr.	<i>Western Reserve University.</i>	<i>Racine, Wis.</i>	32 Sn.
Wyant, Adam Martin,	A.B., I yr.	<i>Bucknell University, Pa.</i>	<i>Adrian, Pa.</i>	26 Sn.
Zoethout, William,	A.B., I yr.	<i>Hope College, Mich.</i>	<i>Roseland.</i>	Roseland.

TOTAL, 43.

THE ACADEMIC COLLEGES.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Adkinson, Henry Magee,	A.B., II yr.	<i>Englewood High School.</i>	<i>Chicago.</i>	5552 Wentworth av.
Agarter, Harriet Coe,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Lima, O.</i>	B.
Angell, Julia, Morehouse,	Ph.B., I yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	6414 Ellis av.
Arnold, Oswald James,	Ph.B., II yr.	<i>No. Division High School.</i>	<i>Chicago.</i>	25 Sn.
Atwood, Harry Fuller,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Hay City, Kans.</i>	9 Sn.
Atwood, Wallace Walter,	Ph.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	507 Carroll av.
Bachellé, Cecil V.,	S.B., II yr.	<i>Chicago Academy.</i>	<i>Chicago.</i>	18 Gilpin place.
Baird, Mary Brooks,	A.B., II yr.	<i>Southern Kansas Academy.</i>	<i>Eureka, Kans.</i>	4589 Oakenwald av.
Baker, Georgia Cary,	Ph.B., I yr.	<i>Cornell University.</i>	<i>Harrisville, N. Y.</i>	5316 Jefferson av.
Ballou, Susan Helen,	Ph.B., I yr.	<i>Saint Katharine's Hall.</i>	<i>Davenport, Ia.</i>	Kl.
Barker, Burt Brown,	A.B., I yr.	<i>Willamette University.</i>	<i>Salem, Oregon.</i>	61 Sn.
Barnard, Harrison B.,	A.B., II yr.	<i>Wooster University.</i>	<i>Englewood.</i>	510 62d st.
Barnes, Frederick Robertson,	A.B., II yr.	<i>Fargo College.</i>	<i>Campbell, Minn.</i>	5620 Ellis av.
Barrett, Charles Raymond,	Ph.B., I yr.	<i>Saratoga High School.</i>	<i>Saratoga Springs, N. Y.</i>	24 Sn.
Barrett, Lu Eaves,	Ph.B., II yr.	<i>Henderson High School.</i>	<i>Sacramento, Ky.</i>	41 F.
Batt, Max,	Ph.B., I yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3752 Elmwood Place.
Beatty, Maria,	A.B., II yr.	<i>Lake High School.</i>	<i>Chicago.</i>	4444 Emerald av.
Bell, Glenrose M.,	Ph.B., II yr.	<i>Ferry Hall, Lake Forest.</i>	<i>Chicago.</i>	5810 Washington av.
Bennett, Esther,	Ph.B., I yr.	<i>Smith College.</i>	<i>Chicago.</i>	F.
Bishop, William Reed,	Ph.B., I yr.	<i>N. Y. State Normal School.</i>	<i>Oswego, N. Y.</i>	5737 Kimbark av.
Bliss, Charles King,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Longwood.</i>	Longwood.
Bliss, Gilbert Ames,	S.B., I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4528 Lake av.
Bond, William Scott,	A.B., I yr.	<i>Preparatory Beloit College.</i>	<i>Chicago.</i>	4025 Drexel boul.
Boomer, Jennie Kathryn,	Ph.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	353 East 46th st.
Brandt, Berkeley,	A.B., II yr.	<i>Allen's Academy.</i>	<i>Chicago.</i>	1316 Michigan av.
Breedon, Waldo,	Ph.B., I yr.	<i>Jamestown High School,</i>	<i>N. Y. Santa Fe, N. M.</i>	6640 Oglesby av.
Broek, Herman John,	A.B., I yr.	<i>Hope College.</i>	<i>South Holland.</i>	6837 Perry av.
Brown, Louise,	A.B., II yr.	<i>Phillips Academy,</i>	<i>Elgin.</i>	222 Marshfield av.
		<i>Andover, Mass.</i>		
Butler, Demia,	Ph.B., II yr.	<i>Girls' Classical School,</i>	<i>Indianapolis, Ind.</i>	Kl.
		<i>Indianapolis.</i>		
Campbell, John Tyler,	S.B., II yr.	<i>Washburn College,</i>	<i>Cheney, Kans.</i>	5425 Cottage Grove av.
		<i>Topeka, Kans.</i>		
Campbell, Joseph White,	Ph.B., I yr.	<i>Phillips Academy,</i>	<i>Cambridge, O.</i>	31 Sn.
		<i>Andover, Mass.</i>		
Caraway, Henry Reat,	Ph.B., II yr.	<i>Northwestern University.</i>	<i>Tuscola.</i>	5700 Kimbark av.
Carpenter, Paul Fant,	Ph.B., I yr.	<i>Coe College.</i>	<i>Cedar Rapids, Ia.</i>	Sn.
Carroll, Percy Peyton	Ph.B., II yr.	<i>Hanover College, Ind.</i>	<i>Marion, Ind.</i>	20 G.
Chace, Henry Thurston, Jr.,	S.B., II yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5740 Rosalie ct.
Chamberlin, John Clark, Jr.,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	2311 Indiana av.
Chandler, Mary Martha,	Ph.B., II yr.	<i>Vassar College.</i>	<i>Chicago.</i>	197 47th st.
Chollar, Wilbur Thomas,	S.B., I yr.	<i>Carleton College.</i>	<i>Red Falls, Minn.</i>	28 Sn.
Clark, Faith Benita,	Ph.B., II yr.	<i>Rockford Seminary.</i>	<i>Rockford, Ill.</i>	B.
Clarke, Henry L.,	Ph.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3338 Calumet av.
Cook, Agnes Spofford,	A.B., I yr.	<i>Wellesley College.</i>	<i>Normal.</i>	13 Kl.
Coolidge, Elizabeth Teasdale,	S.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	2917 Groveland av.
Cornish, Charlotte Harrison,	Ph.B., I yr.	<i>Morgan Park Academy.</i>	<i>Gillette, N. J.</i>	44 B.
Cosgrove, Marion Vernon,	A.B., I yr.	<i>South Side Preparatory School.</i>	<i>Chicago.</i>	6315 Oglesby av.
Crandall, Vinnie May,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Chicago.</i>	4443 Berkeley av.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
De Graff, Cora Eames,	A.B., II yr.	<i>Evansville Classical School.</i>	<i>Englewood.</i>	6939 Wright st.
Dibell, Charles Dorrance,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Joliet.</i>	39 Sn.
Dignan, Frank Winans,	A.B., I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5853 Indiana av.
Dingee, Gertrude Parker,	A.B., II yr.	<i>Oshkosh High School.</i>	<i>Racine, Wis.</i>	B.
Dirks, Lillian Augusta,	A.B., I yr.	<i>Jennings Seminary, Aurora.</i>	<i>LaGrange.</i>	46 Kl.
Diver, Dora May,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Waukegan.</i>	Kl.
Dore, Mabel Louise,	S.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3650 Vernon av.
Dornsife, Samuel Seilor,	A.B., I yr.		<i>Chicago.</i>	521 45th st.
Dougherty, Horace Raymond,	A.B., I yr.	<i>University of Michigan.</i>	<i>Peoria,</i>	30 Sn.
Dougherty, Mabel,	A.B., I yr.	<i>University of Michigan.</i>	<i>Peoria.</i>	Kl.
Dougherty, Ralph Leland,	A.B., I yr.	<i>Peoria High School.</i>	<i>Peoria.</i>	Sn.
Downing, Alice May,	A.B., I yr.	<i>Wellesley College.</i>	<i>Aurora.</i>	23 Kl.
Drew, William Prentiss,	A.B., I yr.	<i>Englewood High School.</i>	<i>Chicago.</i>	535 67th st.
Durand, Herbert Cassius,	A.B., I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	435 East 41st st.
Eisendrath, Simeon Benjamin,	Ph.B. I yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	39 25th st.
Ellis, Mary Virginia,	A.B., I yr.	<i>Hannibal High School.</i>	<i>Hannibal, Mo.</i>	10 B.
Evans, Edward Price,	A.B., I yr.	<i>Cook Academy.</i>	<i>Chicago.</i>	5620 Ellis av.
Fish, Leila Gladys,	Ph.B., I yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3226 Calumet av.
Flint, Joseph Marshall,	S.B., I yr.	<i>Lake Forest Academy.</i>	<i>Chicago.</i>	265 E. Indiana st.
Flint, Nott W.,	A.B., I yr.	<i>Lake Forest Academy.</i>	<i>Chicago.</i>	265 E. Indiana st.
Foster, Edith Burnham,	Ph.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	B.
Friedman, Herbert Jacob,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3602 Prairie av.
Friedman, Joseph C.,	Ph.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3916 Prairie av.
Furness, Mary,	A.B., II yr.	<i>Lyons High School.</i>	<i>De Funiak Springs, Fla.</i>	5657 Cottage Grove av.
Gale, Henry Gordon,	A.B., II yr.	<i>Aurora High School.</i>	<i>Aurora.</i>	Sn.
Gardner, Effie A.,	Ph.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5513 Madison av.
Gettys, Cora Margaret,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Englewood.</i>	5855 Wright st.
Gilpatrick, Rose Adelle,	Ph.B., I yr.	<i>Colby University.</i>	<i>Hallowell, Me.</i>	B.
Gleason, Fred,	Ph.B., I yr.	<i>University of Iowa.</i>	<i>Englewood.</i>	330 Chestnut st.
Goldberg, Hyman Elijah,	S.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	348 S. Clark st.
Goodhue, Emma Louise,	Ph.B., II yr.	<i>Carleton College.</i>	<i>Chicago.</i>	54 Bryant av.
Goodman, Charles A.,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	3333 Wabash av.
Grant, Forest,	A.B., I yr.	<i>Lake Forest College.</i>	<i>Stevens Point, Wis.</i>	265 E. Indiana st.
Graves, Eva Bronson,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Chicago.</i>	4526 Woodlawn av.
Graves, Laura Belcher,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Memphis, Tenn.</i>	4526 Woodlawn av.
Graves, Paul Spencer,	A.B., II yr.	<i>Evanston High School.</i>	<i>Evanston.</i>	5620 Ellis av.
Gwin, James Madison,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Chicago.</i>	4060 Ellis av.
Haft, Della May,	Ph.B., II yr.		<i>Chicago.</i>	2220 Prairie av.
Hale, Berdena Mabel,	A.B., II yr.	<i>Wayland Academy.</i>	<i>Omro, Wis.</i>	Barron Hotel, 59th st.
Hamilton, Aletheia,	A.B., I yr.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	4720 Madison av.
Harding, Susan Grace,	S.B., I yr.		<i>Chicago.</i>	3230 Forest av.
Hartley, Elmer Ellsworth,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Gurnee.</i>	59 Sn.
Hay, Fannie Steele,	Ph.B., I yr.	<i>Butler University.</i>	<i>Englewood.</i>	6214 May st.
Hering, Frank Earle,	Ph.B., I yr.	<i>Williamsport High School.</i>	<i>Williamsport, Pa.</i>	45 Sn.
Hewitt, Helen Orme,	Ph.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	5535 Lexington av.
Hewitt, Henry Harwood,	A B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5535 Lexington av.
Hobart, Ralph Hastings,	S.B., I yr.	<i>Beloit College.</i>	<i>Chicago.</i>	5110 East End av.
Hoebcke, Cornelius James,	A.B., I yr.	<i>Kalamazoo College.</i>	<i>Kalamazoo, Mich.</i>	5 Sn.
Holloway, Harry Cyrus,	S.B., II yr.	<i>Chicago Manual Training School.</i>	<i>Chicago.</i>	3436 Prairie av.
Hopkins, Frances Inez,	Ph.B., I yr.	<i>Wellesley College.</i>	<i>Pueblo, Col.</i>	31 F.

RECORDS.

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NAME.	COLLEGE; YEAR.	SCHOOL OR INST' R.	HOME ADDRESS.	PRESENT ADDRESS.
Hosic, James Fleming,	Ph.B., I yr.	Nebraska State Normal School.	Tecumseh, Neb.	64 Sn.
Howard, Harry Cooper,	Ph.B., I yr.	Kalamazoo College.	Kalamazoo, Mich.	5 Sn.
Hubbard, Mildred,	Ph.B., I yr.	Mt. Holyoke College.	Winchester.	38 B.
Hughes, Robert Lee,	A.B., II yr.	Mount Hermon School, Massachusetts.	Prospect, N. Y.	Morgan Park.
Hulbert, Clara Delia,	A.B., II yr.	Morgan Park Academy.	Morgan Park.	B.
Hulshart, John,	A.B., II yr.	Peddie Institute, N. J.	Lakewood, N. J.	14 Sn.
Hutchings, Josephine L.,	Ph.B., I yr.	Miss Lupton's School.	Madison, Ind.	48 F.
Hyman, Isaac Barney,	A.B., II yr.	Morgan Park Academy.	Chicago.	5 G.
Jackson, Cora Belle,	A.B., II yr.	Howard University, Washington, D. C.	Chicago.	5429 Jackson av.
Jackson, William Hayden,	A.B., II yr.	Hyde Park High School.	Chicago.	5726 Monroe av.
Jameson, Stewart Wells,	A.B., II yr.	University of Illinois.	Clinton.	5626 Ellis av.
Jenkinson, Harriet E.,	Ph.B., I yr.	South Side School.	Chicago.	410, 64th st.
Johnson, Ralph Hiram,	A.B., II yr.	Kenyon Military Academy, Ohio.	Marion, Ind.	Sn.
Johnson, Victor Oscar,	A.B., I yr.	Northwestern University.	Genoa, Neb.	80 Dearborn st.
Jones, Nellie Lander,	Ph.B., I yr.	Mt. Holyoke College.	Peoria.	5415 Cottage Grove av.
Jordan, Herbert Ray,	Ph.B., I yr.	Morgan Park Academy.	Chicago.	27, 43d st.
Kane, Theodosia,	Ph.B., I yr.	Chicago Academy.	Chicago.	Kl.
Karpen, Julius,	Ph.B., I yr.	University of Illinois.	Chicago.	36 Potomac av.
Keen, William Brantley,	II yr.	Professor Edward Hobern.	Chicago.	1922 Michigan av.
Kells, Mabel,	A.B., I yr.	Sauk Centre High School.	Sauk Centre, Minn.	F.
Kerr, Mary Luella,	A.B., II yr.	Morgan Park Academy.	Washington, Iowa.	B.
Klock, Martha Frances,	A.B., I yr.	Smith College.	Oneida, N. Y.	30 B.
Knapp, George Nelson,	S.B., II yr.	University of Wisconsin.	Madison, Wis.	5812 Drexel av.
Lagergren, Gustaf Petrus,	A.B., I yr.	South Side School.	Morgan Park.	Morgan Park, Ill.
Lamay, John,	S.B. II yr.	Northwestern University.	Evanston.	14 Sn.
Lansingh, Van Rensselaer,	S.B., II yr.	College of City of N. Y.	Chicago.	5748 Madison av.
Law, Robert Jr.,	Ph.B., I yr.	South Side School.	Chicago.	5413 Madison av.
Leiser, Joseph,	Ph.B., II yr.	University of Rochester.	Rochester, N. Y.	51 Sn.
Lewis, Mary Catherine,	A.B., I yr.	University of Michigan.	Chicago.	5605 Madison av.
Lewis, Susan Whipple,	A.B., I yr.	University of Michigan.	Chicago.	5605 Madison av.
Liebenstein, Sidney Charles,	Ph.B., I yr.	South Side School.	Chicago.	3740 Forest av.
Lindeblad, Ivan Luther,	A.B., I yr.	Augustana College.	Pullman.	Pullman.
Lingle, Bowman Church,	A.B., II yr.	Morgan Park Academy.	Chicago.	3144 Vernon av.
Lipskey, Harry Alexander,	Ph.B., II yr.	Morgan Park Academy.	Chicago.	81, 31st st.
Loeb, Ludwig,	S.B., I yr.	No. Division High School.	Chicago.	3924 Prairie av.
Lutrell, Estelle,	A.B., I yr.	Christian University.	Canton, Mo.	5810 Drexel av.
Macomber, Charles Coombs,	Ph.B., I yr.	Simpson College.	Carroll, Ia.	36, 46th st.
Mandel, Edwin Frank,	A.B., I yr.	Harvard School.	Chicago.	3400 Michigan av.
Mandeville, Paul,	A.B., I yr.	Englewood High School.	Chicago.	6410 Stevens art av.
Mannhardt, William,	A.B., I yr.	W. Division High School.	Chicago.	10 Sn.
Marsh, Isaac Clarence,	A.B., I yr.	South Side School.	Chicago.	47 Sn.
Maynard, Mary Dunklee,	Ph.B., I yr.	Vassar College.	Milwaukee, Wis.	257 I yon st.
McCaw, John Alexander,	A.B., I yr.	Woodstock College.	Woodstock.	5 G
McClintock, Anna James,	Ph.B., II yr.	Millersburgh Female College.	Millersburgh, Ky.	K
McClintock, Samuel Sweeney,	Ph.B., II yr.	Kentucky University.	Lexington, Ky.	5745 Madison av.
McCorkle, Wood F.,	A.B., I yr.	South Side School.	Chicago.	963 Jackson boul.
McGillivray, Clifford Bottsford,	S.B., II yr.	Morgan Park Academy.	Chicago.	3727 Vernon av.
McWilliams, Mary Elizabeth,	Ph.B., I yr.	Ferry Hall Seminary.	Odell.	16 Kl.
Messick, Elizabeth,	Ph.B., II yr.		Memphis, Tenn.	15 Kl.

NAME.	COLLEGE; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Minard, Frederick Horace,	S.B., II yr.	<i>Drury College.</i>	<i>Chicago.</i>	48, 53d st.
Mitchell, Wesley Clair,	A.B., II yr.	<i>Decatur High School.</i>	<i>Decatur.</i>	2310 Indiana av.
Moffatt, William Eugene,	A.B., II yr.	<i>No. Division High School.</i>	<i>Chicago.</i>	4618 State st.
Morgan, Marion Sherman,	Ph.B., I yr.	<i>Smith College.</i>	<i>Chicago.</i>	F.
Mosser, Stacy Carroll,	A.B., I yr.	<i>Hedding College.</i>	<i>Abingdon.</i>	69 D.
Murphy, Henry Constance,	Ph.B., II yr.	<i>University of Notre Dame.</i>	<i>Woodstock.</i>	20 G.
Neel, Carr Baker,	S.B., II yr.	<i>Oakland High School, Cal.</i>	<i>Chicago.</i>	3203 Indiana av.
Nelson, Jennie Louisa,	Ph.B., I yr.	<i>Columbian College,</i> <i>Washington, D. C.</i>	<i>Helena, Montana.</i>	13 F.
Nichols, Frederick Day,	A.B., II yr.	<i>Cedar Valley Seminary, Ia.</i>	<i>Osage, Ia.</i>	13 Sn.
Noble, Mary E.	Ph.B., I yr.	<i>Wellesley College.</i>	<i>Chicago.</i>	4738 Lake av.
Odell, Jean Ingelow,	A.B., I yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	903 Kedzie av.
Osgood, Ella Maria,	Ph.B., II yr.	<i>Oneida High School, N. Y.</i>	<i>Verona, N. Y.</i>	30 B.
Packer, Anna Sophia,	A.B., I yr.	<i>Oberlin College.</i>	<i>Chicago.</i>	5488 East End av.
Peabody, Earll William,	Ph.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5747 Madison av.
Perkins, Mary,	Ph.B., I yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	Kl.
Pershing, Ward Beecher,	S.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	337, 53d st.
Peterson, Harvey Andrew,	A.B., I yr.	<i>St. Louis High School.</i>	<i>St. Louis, Mo.</i>	34 Sn.
Pierce, Lucy Frances,	A.B., I yr.	<i>Vassar College.</i>	<i>Chicago.</i>	4847 Grand boul.
Pike, Charles Sumner,	A.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3908 Ellis av.
Plant, Thomas Jefferson,	A.B., I yr.	<i>Lake High School.</i>	<i>Chicago.</i>	3915 Dearborn st.
Pollock, Elmer Allison,	A.B., II yr.	<i>Lake Forest University.</i>	<i>Good Hope.</i>	402 Bowen av.
Porter, Elizabeth,	A.B., I yr.	<i>Lake Erie Seminary.</i>	<i>Cleveland, O.</i>	B.
Purcell, Margaret,	Ph.B., II yr.	<i>College of Emporia, Kans.</i>	<i>Manhattan, Kans.</i>	Kl.
Radford, May Eugenia,	A.B., I yr.	<i>Leroy Union School, N. Y.</i>	<i>Buffalo, N. Y.</i>	3801 Prairie av.
Rand, Philip,	Ph.B., I yr.	<i>Phillips Exeter Academy.</i>	<i>Chicago.</i>	33 Sn.
Rapp, William, Jr.,	Ph.B., II yr.	<i>No. Division High School.</i>	<i>Chicago.</i>	25 Sn.
Raycroft, Joseph Edward,	A.B., II yr.	<i>Worcester Academy, Mass.</i>	<i>Boston, Mass.</i>	21 Sn.
Robertson, Stella,	A.B., II yr.	<i>Albion High School, N. Y.</i>	<i>Albion, N. Y.</i>	Kl.
Robinson, Irene Elizabeth,	Ph.B., I yr.	<i>Vassar College.</i>	<i>Englewood.</i>	735, 62d st.
Roche, Cora Emma,	A.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	Kl.
Rogers, May Josephine,	Ph.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	5657 Cottage Grove av.
Rothschild, Isaac Solomon,	S.B., I yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	427 Carroll av.
Russell, Loren Milford,	S.B., II yr.	<i>Morgan Park Academy.</i>	<i>Englewood.</i>	6357 Stewart av.
Sampsell, Marshall Emmett,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	6851 Wentworth av.
Sass, Louis,	Ph.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	49 Sn.
Schnelle, Friedrich Oscar,	S.B., II yr.	<i>Real Gymnasium, Land-</i> <i>hut (Germany).</i>	<i>Görlitz, Germany.</i>	Sn.
Schwarz, Edith Ewing,	Ph.B., I yr.	<i>Englewood High School.</i>	<i>Englewood.</i>	6901 Harvard st.
Scovel, Louise Claire,	Ph.B., I yr.	<i>Wooster University.</i>	<i>Chicago.</i>	3941 Ellis av.
Sherman, Franklyn Cole,	A.B., I yr.	<i>Cornell College.</i>	<i>Chicago.</i>	4204 Calumet av.
Simpson, Burton Jesse,	S.B., II yr.	<i>Morgan Park Academy.</i>	<i>Moline.</i>	9 Sn.
Simpson, Isa,	Ph.B., I yr.	_____	<i>Wingham, Ontario,</i> <i>Canada.</i>	_____
Sincere, Victor Washington,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	2974 Wabash av.
Smith, Henry Justin,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Morgan Park.</i>	4406 Ellis av.
Smith, Kenneth Gardner,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5475 Kimbark av.
Spalding, Mary Doan,	Ph.B., II yr.	<i>Cornell University.</i>	<i>Brooklyn, N. Y.</i>	F.
Speer, Henry Dallas,	Ph.B., II yr.	<i>Williams College.</i>	<i>Chicago.</i>	161, 30th st.
Sperans, Joel,	S.B., II yr.	<i>Gymnasium, Taganrog,</i> <i>Russia.</i>	<i>Russia.</i>	16 Sn.
Steigmeyer, Frederick Frank	S.B., I yr.	<i>Buchtel College.</i>	<i>Attica, O.</i>	
Stevens, Raymond William,	A.B., II yr.	<i>South Side School.</i>	<i>Chicago.</i>	3574 Vincennes av.

RECORDS.

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NAME.	COLLEGE; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Stone, Harry Wheeler,	A.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3411 Vernon av.
Stowell, Reuben Giles,	S.B., II yr.	<i>No. Division High School.</i>	<i>Chicago.</i>	57 Sn.
Strawn, Myra Hartshorn,	A.B., I yr.	<i>Smith College.</i>	<i>LaSalle.</i>	F.
Swarte, Lawrence James de,	A.B., II yr.	<i>Beloit College.</i>	<i>Milwaukee, Wis.</i>	5552 Drexel av.
Tanaka, Kiichi,	Ph.B., I yr.	<i>Kentucky University.</i>	<i>Tokio, Japan.</i>	123 D.
Tefft, Nellie Edna,	A.B., I yr.	<i>Elgin High School.</i>	<i>Elgin.</i>	45 Kl.
Thomas, Ida May,	Ph.B., I yr.	<i>Morgan Park Academy.</i>	<i>Sioux City, Ia.</i>	3526 Calumet av.
Thomas, Mary Susan,	Ph.B., II yr.	<i>Northwestern University.</i>	<i>Myersdale, Pa.</i>	Students' Hall, Englewood.
Thompson, Emily C.,	A.B., I yr.	<i>Lake High School.</i>	<i>Chicago.</i>	4457 Emerald av.
Thompson, Helen Bradford,	Ph.B., I yr.	<i>Englewood High School.</i>	<i>Englewood.</i>	326 Chestnut st.
Todd, Elmer Ely,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5535 Lexington av.
Tolman, Cyrus Fisher, Jr.,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	41 University Place.
Tooker, Robert Newton, Jr.,	A.B., I yr.	<i>University School.</i>	<i>Chicago.</i>	23 Sn.
Trumbull, Donald Shurtleff,	A.B., I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4544 Oakenwald av.
Van Vliet, Alice,	A.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	F.
Vaughan, William Cain,	S.B., I yr.	<i>South Side School.</i>	<i>Richmond, Ind.</i>	5475 Kimbark av.
Voight, John Frederick, Jr.,	Ph.B., II yr.	<i>Illinois College.</i>	<i>Mattoon.</i>	52 Sn.
Wales, Henry Whitwell, Jr.,	Ph.B., II yr.	<i>Hyde Park High School.</i>	<i>Lanark.</i>	62, 43d st.
Walling, William English,	S.B., II yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4127 Drexel boul.
Walls, Emma Beales,	Ph.B., II yr.	<i>Northwestern University.</i>	<i>Chicago.</i>	4334 Greenwood av.
Webster, Ralph Waldo,	Ph.B., II yr.	<i>Monmouth College.</i>	<i>Monmouth.</i>	5700 Kimbark av.
Weingarten, Frederick Simon,	S.B., II yr.	<i>College of City of N. Y.</i>	<i>Chicago.</i>	3237 Calumet av.
Whitson, Andrew Robinson,	B.S., II yr.	<i>University of Wisconsin.</i>	<i>Northfield, Minn.</i>	5812 Drexel av.
Williams, Charles Byron,	A.B., I yr.	<i>Rochester University.</i>	<i>Minneapolis, Minn.</i>	City Press Association.
Williams, Day,	A.B., I yr.	<i>Adalbert College.</i>	<i>Chicago.</i>	77, 39th st.
Williams, John William,	Ph.B., I yr.	<i>Cornell College.</i>	<i>Norwood Park.</i>	Sn.
Willis, Gwendolin Brown,	A.B., II yr.	<i>Racine Academy.</i>	<i>Racine, Wis.</i>	5551 Lexington av.
Williston, Frances Greenwood,	A.B., II yr.	<i>So. Division High School.</i>	<i>Elmhurst.</i>	F.
Winston, Charles Sumner,	A.B., II yr.		<i>Chicago.</i>	363 East 58th st.
Wolff, Henry D.,	S.B., II yr.		<i>Evanston.</i>	22 Sn.
Wolff, Louis, Jr.,	S.B., II yr.	<i>Chicago Academy.</i>	<i>Chicago.</i>	1319 Washington boul.
Woods, Frank William,	A.B., I yr.	<i>Colorado College.</i>	<i>Colorado Springs, Col.</i>	62 Sn.
Woodward, Vernie Emma,	A.B., II yr.	<i>Meriden High School.</i>	<i>Meriden, Conn.</i>	44 Kl.

TOTAL, 226.

UNCLASSIFIED STUDENTS.

NAME.	YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abells, Harry D.,	I yr.	<i>Mt. Hermon (Northfield, Mass.)</i>	<i>Uxbridge, Mass.</i>	46 Sn.
Allen, John Kermott,	II yr.	<i>Grass Lake High School Michigan.</i>	<i>Chicago.</i>	708 Monroe st.
Alling, Harriet Sarah,	I yr.	<i>Oswego Normal and Training School, New York.</i>	<i>Moreland.</i>	Moreland.
Almy, Mary Tibbits,	I yr.	<i>Norwich Normal School.</i>	<i>Norwich, Conn.</i>	3243 Vernon av. 14 Kl.
Anderson, Esther Lowell,	I yr.		<i>Chicago.</i>	1345 Noble av.
Austin, Helen Maria,	I yr.		<i>Ilion, N. Y.</i>	42 F.
Barrett, Frederick P.,	I yr.	<i>Syracuse University.</i>	<i>Gainsville, N. Y.</i>	5550 Drexel av.
Battis, Annie Louise,	I yr.	<i>Burr & Burton Seminary.</i>	<i>Manchester, Vt.</i>	13 B.
Beardsley, Anna Poole,	I yr.	<i>Fern. High School, Baltimore.</i>	<i>Washington, Ark.</i>	24 F.
Bentley, Anna Riley,	I yr.		<i>Chicago.</i>	2001 Indiana av.

NAME.	YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Bowers, Abraham,	II yr.	Mt. Morris College.	St. Joseph.	Univ. of C.
Braam, Jacob William,	II yr.	Chicago Institute of Technology.	Chicago.	82 D.
Bray, Anna Chappell, Mrs.	I yr.	University of Indiana.	Chicago.	5654 A. Ellis av.
Casteel, Mary Elizabeth,	I yr.	Geneseo Collegiate Institute.	Geneseo.	24 F.
Chapin, Lillian,	II yr.	W. Division High School.	Chicago.	5418 Kimbark av.
Clark, Grace Newsome, Mrs.	II yr.	Drury College.	Springfield, Mo.	Kl.
Colnon, Aaron Thomas,	I yr.	Oswego High School.	Oswego, N. Y.	2 Sn.
Comstock, Louise Bates,	II yr.	Packer Institute, Brooklyn, N. Y.	Rochester, N. Y.	49 Kl.
Connett, Wesley Langdon,	II yr.		St. Joseph, Mo.	6321 Sheridan av.
Cooke, Joanna,	I yr.	University of Michigan.	Chicago.	35 F.
Crane, Charles Richard,	I yr.		Chicago.	3736 Grand boul.
Crowther, Elizabeth,	I yr.	Mt. Holyoke Seminary.	Enfield, Mass.	34 B.
Davis, Alvin Edward,	I yr.	Wayland Academy.	Marinette, Wis.	359 West 65th st.
Davis, Emma Elizabeth,	I yr.	Pennsylvania State Normal School.	Denton, Pa.	17 B.
Dawes, Sarah Louisa,	I yr.	Spelman Seminary.	Petersham, Mass.	13 B.
Dewing, William Henry,	II yr.	Hiram College.	Chicago.	104 D.
Dickerson, Spencer Cornelius,	I yr.	Tillotson Institute, Austin.	Austin, Texas.	6 Sn.
Evans, Daniel Abijah,	I yr.	Theological Seminary, Bangor, Maine.	Chicago.	44 Sn.
Fox, Clare Delphine,	II yr.	Northern Illinois College.	Bellevue.	3620 Ellis Park.
Fry, Harvey Judson,		Canton, Miss.	Chicago.	5632 Ingleside av.
Gallion, Charles Horace,	II yr.	Illinois Wesleyan University.	St. Joseph.	58 Sn.
George, Abigail Matilda,	II yr.	Cedar Rapids High School, Iowa.	Chicago.	4744 Kenwood av.
Goodspeed, Edith Maria,	I yr.	Iowa State Normal.	Omaha, Neb.	22 B.
Goss, Mary Lathrop,	II yr.	Plano High School, Illinois.	Plano.	3807 Elmwood Place.
Gray, Charlotte C., Mrs.	I yr.	College of Liberal Arts, Chautauqua.	Albany, N. Y.	16 B.
Hallingby, Ole Jr.,	I yr.	Cedar Valley Seminary.	Osage, Ia.	13 Sn.
Hancock, Mary Bertha,	I yr.	Vassar College.	Dubuque, Ia.	19 F.
Harris, Frank Burlingame,	I yr.	Omaha High School.	Ravenswood.	Ravenswood.
Hessler, John Charles,	I yr.	Northwestern University.	Chicago.	527 East 48th st.
Hiss, Andrew Emil,	I yr.	Chicago College of Pharmacy.	Chicago.	5435 Kimbark av.
Hubbard, Harry David,	II yr.	Temple College, Philadelphia.	Philadelphia.	25 G.
Keith, Ella May,	I yr.	Ottawa University.	Ottawa, Kans.	5443 Jackson av.
Kelso, Wilber,	I yr.	Morgantown High School.	Plattsmouth, Neb.	Boston Hotel.
Kennedy, Mary,	I yr.	Monmouth College.	Franks.	9752 av. K.
Knecht, Otto G. V.	I yr.	University of Michigan.	Los Angeles, Cal.	
Matz, Evelyn,	II yr.	Chicago High School.	Chicago.	431 Oak st.
MacDougal, Lydia A.,	I yr.		Malone, N. Y.	Kl.
MacRae, Ino,	I yr.		Central Mine, Mich.	2427 Prairie av.
McBee, Edwin,	I yr.		Sidney.	4642 Ellis av.
McCalla, Emery Ellsworth,	II yr.	Pontiac High School.	Pontiac.	43 Sn.
McGorray, Margaret,	II yr.	Illinois State Normal School.	Decatur.	223 54th st.
McKinley, Albert Edward,	II yr.	Temple College, Philadelphia.	Philadelphia, Pa.	25 G.
Mead, Marion,	II yr.	Smith College.	Chicago.	2971 Prairie av.
Meadowcroft, Fannie May,	I yr.	Private Instruction.	Chicago.	341 Oakwood boul.
Mitchell, Florence Louise,	I yr.	College of Liberal Arts, Chautauqua.	Englewood.	14 B.
Mixsell, Francis Hill,	I yr.	Kimball Union Academy.	So. Bethlehem, Pa.	8 Sn.
Munson, Sarah,	I yr.		Zanesville, O.	
Niblock, Rachel Elizabeth,	I yr.	Coe College.	Colfax, Wash.	18 Kl.
O'Connor, Nellie Johnson,	II yr.		Chicago.	3565 Forest av.

NAME.	YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Otis, Marion Louise.	II yr.	Kirkland School, Chicago.	Chicago.	294 Huron st.
Payne, Walter A.,	I yr.	Missouri State Normal.	Hurdland, Mo.	41 D.
Porterfield, Cora Maude,	I yr.	Illinois State Normal University.	Normal,	3715 Langley av.
Ranney, Mary Lowther,	I yr.		Chicago.	36 Ray St.
Rice, Elbridge Washburn,	II yr.	Pontiac High School.	Pontiac.	48 Sn.
Robbins, Simeon Volney,	I yr.	Illinois University.	Lamont.	5332 Drexel av.
Rowan, Jean Morton,	I yr.	Morgan Park Academy.	Almont, Mich.	5006 Washington av.
Runyon, Laura Louise,	I yr.	Plainfield High School.	Plainfield, N. J.	Kl. 42.
Savage, John Howard,	I yr.	Englewood High School.	Marley.	523, 66th ct.
Scarff, Mary Emily,	II yr.	Brockport State Normal School, N. Y.	Bethany, N. Y.	F.
Scott, Izora,	I yr.		Chicago.	163 State st.
Shallies, Guy Wheeler,	I yr.	Buffalo Normal School.	Arcade, N. Y.	8 Sn.
Shannon, Mary Elizabeth,	II yr.	Wellesley College.	Chicago.	3716 Forest av.
Shibley, Mary Capitola,	I yr.	Northwestern University.	Chicago.	144 Oakwood boul.
Stover, Jessie Belle,	II yr.	University of South Dakota.	Centreville S. Dak.	5622 Ellis av.
Sylla, Mary Ethelwyn,	II yr.	Elgin High School.	Elgin.	44 Kl.
Swett, Mary Chase,	II yr.	Cook County Normal School.	Chicago.	5006 Washington av.
Thomas, Frances Maria,	II yr.	Cook County Normal School.	Myersdale, Pa.	Students Hall, Englewood.
Vanderlip, Frank Arthur,		Arthur Home, Chicago.	Chicago.	5126 Madison av.
Walker, Nellie Matilda,	I yr.	Mt. Vernon Seminary, Wash- ington, D. C.	Washington, D. C.	45 B.
Williams, Charles Lewis,	I yr.	California College.	Santa Clara, Cal.	53 Sn.
Williams, Josephine Antoinette,	I yr.	University of Michigan.	Chicago.	77 East 43d st.
Wilmarth, Anna Hawes,	I yr.	Miss Herrig's School.	Chicago.	29 B.
Wilson, William Otis,	I yr.	Western Normal College	Bushnell.	45 Sn.
Wineman, Mode,	I yr.			62 Sn.
Witt, Hattie C.,	I yr.	Vassar College.	Belvidere.	F.
Wollpert, Marie,	I yr.	Girls' Seminary, Stillport.	San Francisco, Cal.	50 B.
Woods, William Brenton,	I yr.	University of Michigan.	Chicago.	Morgan Park.
Wright, Sherman Elijah,	I yr.	Morgan Park Academy.	Chicago.	35 Sn.

TOTAL, 88

SUMMARY (AUTUMN QUARTER, 1893).

GRADUATE STUDENTS,	{	School of Arts and Literature,	-	-	-	-	-	154
	{	Ogden School of Science,	-	-	-	-	-	60
	{	Non-Resident Students,	-	-	-	-	-	18
DIVINITY STUDENTS,	{	Graduate Department,	-	-	-	-	-	94
	{	English Department,	-	-	-	-	-	46
	{	Danish-Norwegian Department.	-	-	-	-	-	7
	{	Swedish Department,	-	-	-	-	-	12
UNIVERSITY COLLEGE STUDENTS,			-	-	-	-	-	43
ACADEMIC COLLEGE STUDENTS,			-	-	-	-	-	226
UNCLASSIFIED STUDENTS,			-	-	-	-	-	88
TOTAL,	-	-	-	-	-	-	-	748

CONSTITUENCY OF CLASSES, AUTUMN QUARTER, 1893.

REMARKS: 1. The numbers of departments and courses correspond, in general, to those of the ANNUAL REGISTER and CAL-
ENDAR No. 5, in the University proper, and in the Divinity School.

2. All classes recite in Cobb Lecture Hall, unless otherwise stated. The four floors of this building are lettered, the first being
A, and the rooms numbered.

3. Abbreviations: *K*=Kent Chemical Laboratory; *R*=Ryerson Physical Laboratory; *S*=Science Hall; *W*=Walker Museum;
g=Graduate Student; *u*=University College Student; *a*=Academic College Student; *d*=Divinity Student. Where not otherwise
designated, the student is unclassified.

4. Numerals in parenthesis at the end of each list indicate the number of students taking the course.

5. In nearly all cases recitations occur every week-day except Monday. The hours of recitations can be ascertained at the
University, in the Registrar's office..

THE SCHOOLS OF ART, LITERATURE, AND SCIENCE.

I. A. PHILOSOPHY.

K. and C. 13-17. (43 Students.)

Introductory Course.. DM. (1)

ASSOCIATE PROFESSOR STRONG.

Barnes, S. F., <i>u</i>	Marot, <i>u</i>	Voight, <i>a</i>
Behan, <i>u</i>	O'Conner,	Walls. <i>a</i>
Clarke, <i>u</i>	Otis,	Weingarten, <i>a</i>
Fry,	Sherman, <i>a</i>	Wright, (13)
Howard, <i>a</i>		

Advanced Course in Psychology. DM. (10)

ASSOCIATE PROFESSOR STRONG.

Brainard, <i>g</i>	Stafford, <i>g</i>	Waterman, <i>g</i>
Bray, <i>g</i>	Tompkins, <i>g</i>	Wood. <i>g</i> (8)
Sanders, <i>g</i>	Wallin, <i>g</i>	

General History of Philosophy. DM. (4)

ASSISTANT PROFESSOR TUFTS.

Binder, <i>d</i>	Milliman, <i>g</i>	Sinclair, <i>g</i>
Dougherty, M., <i>a</i>	Mosley, <i>g</i>	Spalding, <i>a</i>
Goldberg, <i>a</i>	Payne,	Taylor, <i>g</i>
Hulley, <i>g</i>	Pierce, <i>u</i>	Tompkins, <i>g</i>
Leadingham, <i>d</i>	Pike, <i>g</i>	Wood, <i>g</i> (15)

Kant's Critique of Pure Reason. DM. (6)

ASSISTANT PROFESSOR TUFTS.

Friedman, <i>g</i>	Stafford, <i>g</i> (2)
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Seminar: The Philosophy of Kant. DM. (7)

ASSISTANT PROFESSOR TUFTS.

Manchester, <i>g</i>	Millerd, <i>g</i> (2)
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History of Education. DM. (15)

DR. MONIN.

Church, <i>u</i>	Morgan, <i>u</i>	Templeton, <i>u</i>
Hunter, F. J., <i>u</i>	Ricketts, <i>u</i>	Voight, <i>a</i> (6)

Advanced Ethics. DM. (12)

DR. MEZES.

Blakely, <i>g</i>	Hulley, <i>g</i> (2)
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1. B. APOLOGETICS AND CHRISTIAN ETHICS.

C. 17. (3 Students).

Apologetics and Christian Evidences. DMM. (1)

PROFESSOR ROBINSON.

Behan, <i>u</i>	Brownson, <i>d</i>	Hulbert, E. L., <i>a</i> (3)
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II. POLITICAL ECONOMY.

C. 3-8. (84 Students).

Economic Seminar. DM. (19)

HEAD PROFESSOR LAUGHLIN.

Cummings, <i>g</i>	Million, <i>g</i>	White, <i>g</i> (5)
Hoxie, <i>g</i>	Vanderlip,	

Money and Practical Economics. DM. (9)

HEAD PROFESSOR LAUGHLIN.

Barrett, <i>g</i>	Hatfield, <i>g</i>	Ware, <i>g</i>
Chadbourn, <i>u</i>	Herron, <i>g</i>	White, <i>g</i>
Crane, <i>u</i>	Martin, <i>u</i>	Willard, <i>g</i>
Cummings, <i>g</i>	Sinclair, <i>g</i>	Willis, H. P., <i>u</i> (14)
Hardy, <i>g</i>	Stowe, <i>g</i>	

Finance. DM. (15) PROFESSOR A. C. MILLER.

Hatfield, <i>g</i>	Million, <i>g</i>	Thurston, <i>g</i>
Hoxie, <i>g</i>	Stowe, <i>g</i>	Tunell, <i>g</i> (8)
Kominami, <i>g</i>	Sikes, <i>g</i>	

Principles of Political Economy. DM. (1)

8:30 Section. PROFESSOR A. C. MILLER.

Barker, <i>a</i>	Dorusife, <i>a</i>	Minard, <i>a</i>
Barnard, <i>a</i>	Eastman, <i>u</i>	Mitchell, <i>a</i>
Barnes, S. F., <i>u</i>	Encelon, <i>g</i>	Moran, <i>u</i>
Barrett, L. E., <i>a</i>	Fry,	Rapp, <i>a</i>
Barrett, E. C., <i>g</i>	Gallion,	Rice,
Barrett, D. C., <i>g</i>	Hale, <i>a</i>	Sass, <i>a</i>
Benbow, <i>g</i>	Hopkins, <i>a</i>	Sinclair, <i>g</i>
Boyd, <i>g</i>	Jameson, <i>a</i>	Spencer, <i>g</i>
Caraway, <i>a</i>	Jones, <i>a</i>	Start, <i>g</i>
Chadbourn, <i>u</i>	Jude, <i>g</i>	Thomas, M. S., <i>a</i>
Coolidge, <i>a</i>	Kominami, <i>g</i>	Wallser,
Crane, <i>u</i>	Learned, <i>g</i>	Williams, C. L.,
Dewing,	Livingstone, <i>u</i>	Williston, <i>a</i>
Dickerson, <i>u</i>	McCalla,	Wolff, L., <i>a</i> (44)
Dorman, <i>g</i>	McMahan, <i>u</i>	

Principles of Political Economy. DM. (1)
9:30 Section. MR. HILL.

Atwood, W. W., <i>a</i>	Lamay, <i>a</i>	Speer, <i>a</i>
Chace, <i>a</i>	Lipsky, <i>a</i>	Robinson, <i>a</i>
Connett,	Martin, <i>u</i>	Tanaka, <i>a</i>
Curtis, <i>u</i>	McGillivray, <i>a</i>	Voight, <i>a</i>
DeGraff, <i>a</i>	Prescott, <i>u</i>	Williams, J. W., <i>a</i>
Hamilton, <i>a</i>	Ramsay, <i>u</i>	Zeublin, <i>g</i> (20)
Hulbert, E. L., <i>a</i>	Savage,	

Industrial and Economic History. DM. (2)
(Course not given). MR. HILL.

Railway Transportation. DM. (12)
MR. HILL.

Allen, J. K., <i>u</i>	Herron, <i>g</i>	Ware, <i>g</i> (5)
Benbow, <i>g</i>	Northup, <i>g</i>	

American Agriculture. DM. (7) DR. VEBLEN.
(Course not given).

Statistics. DM. (10) DR. HOURWICH.
Crane, *u* Herron, *g* Swarte, de, *a*
Hardy, *g* Northup, *g* Ware, *g* (6)

III. POLITICAL SCIENCE.

C. 9, 10-12. (40 Students).

Seminar in Politics. DM. (1) PROFESSOR JUDSON.

Brown, <i>g</i>	Osgood, <i>u</i>	Wilcox, <i>g</i>
Conger, <i>g</i>	Thompson, <i>g</i>	Willard, <i>g</i> (8)
Dingee, <i>a</i>	Tunell, <i>g</i>	

Comparative Politics. DM. (2)
PROFESSOR JUDSON.

Alden, <i>g</i>	Hatfield, <i>g</i>	MacDougal,
Blakely, <i>g</i>	Hoxie, <i>g</i>	Mosley, <i>g</i>
Brown, <i>g</i>	Jude, <i>g</i>	Rullkoetter, <i>g</i>
Dorman, <i>g</i>	Knox, <i>g</i>	Sikes, <i>g</i>
Farr, <i>g</i>	Livingstone, <i>u</i>	Stowe, <i>g</i> (15)

International Law. DM. (7)
PROFESSOR LAWRENCE.

Arnold, O. J., <i>a</i>	Laning, <i>u</i>	Start, <i>g</i>
Barnard, <i>a</i>	Prescott, <i>u</i>	Swarte, de, <i>a</i>
Brown, <i>g</i>	Rapp, <i>a</i>	Voight, <i>a</i>
Dorman, <i>g</i>	Scofield, <i>g</i>	Wallin, <i>g</i> (13)
Kominami, <i>g</i>		

Anthropo-Geography. DM. (14) MR. CONGER.
(Course not given).

Civil Government in the United States. DM. (12)
MR. WILCOX.

Caraway, <i>a</i>	Eastman, <i>u</i>	Noble, <i>a</i>
Curtis, <i>u</i>	Mosley, <i>g</i>	Strawn, <i>a</i> (7)
Davis, A. E.,		

Special Research. PROFESSOR JUDSON.
Tunell, *g* (1)

IV. HISTORY.

C. 5-8. (126 Students.)

Seminar: Special Topics connected with American Political and Constitutional History: DM. (34)

HEAD PROFESSOR VON HOLST.

Alden, <i>g</i>	Hardy, <i>g</i>	Spencer, <i>g</i>
Barrett, S. C., <i>g</i>	Hastings, <i>g</i>	Start, <i>g</i>
Clarke, <i>g</i>	Hilliard, <i>g</i>	Thompson, <i>g</i>
Crandall, <i>g</i>	Hinckley, <i>g</i>	Vanderlip,
Crowther,	Million, <i>g</i>	Vander Ploeg, <i>g</i>
Davies, <i>g</i>	Mosley, <i>g</i>	Wallin, <i>g</i>
Davis, W. S., <i>g</i>	O'Conner,	Webster, <i>g</i>
Farr, <i>g</i>	Page, <i>g</i>	Wilcox, <i>g</i> (26)
Fertig, <i>g</i>	Rullkoetter, <i>g</i>	

History of the French Revolution and the Napoleonic Era. DM. (19)

HEAD PROFESSOR VON HOLST.

Alden, <i>g</i>	Fertig, <i>g</i>	Matz,
Benbow, <i>g</i>	Hastings, <i>g</i>	McCafferty, <i>g</i>
Church, <i>u</i>	Hinckley, <i>g</i>	McCasky, <i>g</i>
Crandall, <i>g</i>	Jude, <i>g</i>	Page, <i>g</i>
Crowther,	Learned, <i>g</i>	Rowan,
Davis, E. E.,	Livingstone, <i>u</i>	Templeton, <i>u</i>
Davis, W. S., <i>g</i>	MacDougal,	Vander Ploeg, <i>g</i>
Dorman, <i>g</i>	Martin, <i>u</i>	Webster, <i>g</i> (25)
Durbin, <i>g</i>		

The Decline of Rome and the Dissolution of the Ancient Classical Civilization. DM. (10)

PROFESSOR TERRY.

Behan, <i>u</i>	Knox, <i>g</i>	Rowan,
Crandall, <i>g</i>	Lindeblad, <i>a</i>	Spencer, <i>g</i>
Farr, <i>g</i>	MacDougal,	Strawn, <i>a</i>
Fertig, <i>g</i>	McCafferty, <i>g</i>	Taylor, <i>u</i>
Fry,	Moran, <i>u</i>	Williams, D., <i>a</i> (17)
Knecht,	Rogers, <i>a</i>	

Seminar: Early German Institutions. DM. (30)

PROFESSOR TERRY.

Farr, <i>g</i>	Ogden, <i>g</i>	Thompson, <i>g</i>
Hunter, <i>g</i>	Scofield, <i>g</i>	Wilcox, <i>g</i> (7)
McCasky, <i>g</i>		

The History of Antiquity to Persian Empire. MM. (1)
ASSOCIATE PROFESSOR GOODSPEED.

Berry, <i>g</i>	Hancock, <i>g</i>	Knox, <i>g</i> (4)
Dunn, <i>g</i>		

The Protestant Reformation and the Religious Wars. DM. (38)
DR. SCHWILL.

Almy, <i>a</i>	Curtis, <i>u</i>	Prescott, <i>u</i>
Barnard, <i>a</i>	Fox,	Scofield, <i>g</i>
Bray,	Jameson, <i>a</i>	Wyant, A. M., <i>u</i> (10)
Crowther,		

Outline History of the Middle Ages. DM. (41)

ASSISTANT PROFESSOR THATCHER.

Adkinson, H., <i>a</i>	Gilpatrick, <i>a</i>	Mitchell, <i>a</i>
Baird, <i>a</i>	Hallingby,	Nichols, F., <i>a</i>
Carpenter, <i>a</i>	Hewitt, H. H., <i>a</i>	Pike, <i>a</i>
Clark, F. B., <i>a</i>	Hoebcke, <i>a</i>	Rice,
Connett,	Holloway, <i>a</i>	Savage,
Crowther,	Howard, H., <i>a</i>	Scovel, <i>a</i>
Dickerson,	Hubbard, M., <i>a</i>	Stevens, <i>a</i>
Dore, <i>a</i>	Lewis, M. C., <i>a</i>	Stone, <i>a</i>
Dornsife, <i>a</i>	Lewis, S. W., <i>a</i>	Willis, G., <i>a</i>
Friedman, H., <i>a</i>	Marot, <i>u</i>	Wolff, H. D., <i>a</i>
Gettys, <i>a</i>	McCalla,	Woods, <i>a</i> (33)

Outline History of Modern Europe. DM. (42)

DR. SCHWILL.

Adkinson, <i>a</i>	Hobart, <i>a</i>	Niblock,
Agerton, <i>a</i>	Hopkins, <i>a</i>	Robertson, S., <i>a</i>
Alling,	Hancock,	Roche, <i>a</i>
Barker, <i>a</i>	Karpen, <i>a</i>	Todd, <i>a</i>
Batt, <i>a</i>	Kerr, <i>a</i>	Van Vliet, <i>a</i>
Bliss, <i>a</i>	Knecht,	Williams, C. L.,
Brown, L., <i>a</i>	Lindeblad, <i>a</i>	Williams, J. W., <i>a</i>
Caraway, <i>a</i>	Loeb, L., <i>a</i>	Wilmath,
Davis, A. E.,	Logie, <i>u</i>	Wollpert, (29)
Furness, <i>a</i>	Maynard, <i>a</i>	

Territorial Growth of the United States: DM. (22)

DR. SHEPARDSON.

Connett,	Gallion,	Speer, <i>a</i> (3)
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V. SOCIAL SCIENCE AND ANTHROPOLOGY.*C. 2, 10-12. (48 Students.)***Seminar: The Psychology, Ethics, and Sociology of Socialism. DM. (23)**

HEAD PROFESSOR SMALL.

Clark, <i>g</i>	Learned, <i>g</i>	Willard, <i>g</i>
Davies, A. F., <i>g</i>	Thomas, <i>g</i>	Wilkinson, <i>g</i> (7)
Gow, <i>g</i>		

The Province of Sociology and its relation to the Special Social Sciences. DM. (24)

HEAD PROFESSOR SMALL.

Atkinson, <i>g</i>	Holcomb, <i>d</i>	Read, <i>d</i>
Boyd, <i>g</i>	Howerth, <i>g</i>	Sanders, <i>g</i>
Davies, <i>g</i>	Johnston, <i>g</i>	Thomas, <i>g</i>
Eakin, <i>d</i>	Kirkpatrick, <i>g</i>	Willard, <i>g</i>
Fulcomer, <i>g</i>	Learned, <i>g</i>	Zeublin, <i>g</i> (17)
Hastings, <i>g</i>	Mead, <i>g</i>	

Problems of Social Statistics. DM. (26)

HEAD PROFESSOR SMALL.

Atkinson, <i>g</i>	Howerth, <i>g</i>	Northup, <i>g</i>
Clark, <i>g</i>	Johnston, <i>g</i>	Spencer, <i>g</i>
Davies, <i>g</i>	Kirkpatrick, <i>g</i>	Thomas, <i>g</i>
Fulcomer, <i>g</i>	Mead, <i>g</i>	Zeublin, <i>g</i> (13)
Gow, <i>g</i>		

Seminar: Social Organizations for Promoting Social Welfare. DM. (14)

ASSISTANT PROFESSOR HENDERSON.

Atkinson, <i>g</i>	Prescott, <i>u</i>	Rogers, <i>g</i> (4)
Boyd, <i>g</i>		

Social Institutions of Organized Christianity. M (or MM.) 1st Term. (15)

ASSISTANT PROFESSOR HENDERSON.

Bailey, <i>d</i>	Heyland, <i>d</i>	Osgood, <i>u</i>
Brownson, <i>d</i>	Hale, <i>d</i>	Phillips, <i>d</i>
Davis, <i>d</i>	Howerth, <i>g</i>	Shatto, <i>d</i>
Davies, <i>d</i>	Johnston, <i>g</i>	Stevens, <i>d</i>
Elliott, <i>d</i>	Lord, <i>d</i>	Stucker, <i>d</i>
Fulcomer, <i>g</i>	Loughridge, <i>d</i>	Ward, <i>d</i>
Goodman, <i>d</i>	Osgood, <i>d</i>	Wheeler, <i>d</i> (21)

Social Treatment of Dependents and Defectives. M (or MM.) 2d Term. (16)

ASSISTANT PROFESSOR HENDERSON.

Bailey, <i>d</i>	Goodman, <i>d</i>	Loughridge, <i>d</i>
Brownson, <i>d</i>	Heyland, <i>d</i>	Phillips, <i>d</i>
Davis, <i>d</i>	Hole, <i>d</i>	Shatto, <i>d</i>
Elliott, <i>d</i>	Howerth, <i>g</i>	Stevens, <i>d</i>
Fulcomer, <i>g</i>	Johnston, <i>g</i>	Ward, <i>d</i> (15)

Seminar in Sanitary Science. DM. (10)

ASSISTANT PROFESSOR TALBOT.

Cary, *g* (1)**House Sanitation. DM. (11)**

ASSISTANT PROFESSOR TALBOT.

(Course not given.)

Laboratory Work in Anthropology. DM. (1)

ASSISTANT PROFESSOR STARR.

Nichols, *d* Nichols, E. B., *d* (2)**Physical Anthropology. Laboratory Work. DM. (2)**

ASSISTANT PROFESSOR STARR.

(Course not given.)

Physical Anthropology. Elementary Course. DM. (9)

ASSISTANT PROFESSOR STARR.

Dunn, *g* Kirkpatrick, *g* Miller, *g* (3)**Applied Anthropology. DM. (3)**

DR. WEST.

(Course not given.)

VI. COMPARATIVE RELIGION.*D. 16. (8 Students.)***The Indian Religions. DM. (1)**

ASSOCIATE PROFESSOR GOODSPEED.

Bailey, <i>d</i>	Phillips, <i>d</i>	Wood, <i>d</i>
Binder, <i>d</i>	Sanderson, <i>d</i>	Wood, <i>g</i> (8)
Coffin, <i>g</i>	Wheeler, <i>d</i>	

VII SEMITIC LANGUAGES AND LITERATURES.*D. 12-16. (31 Students.)***Later Suras of the Kuran. DMM. or DM. (65 a.)**

HEAD PROFESSOR HARPER.

Archibald, <i>g</i>	Dunn, <i>g</i>	Walker, <i>g</i>
Berry, <i>g</i>	Jones, L. A., <i>g</i>	Whaley, <i>g</i>
Dickie, <i>g</i>	Mallory, <i>g</i>	Wright, <i>g</i> (9)

Arabic Seminar. DM. (65 b.)

HEAD PROFESSOR HARPER.

Archibald, <i>g</i>	Dunn, <i>g</i>	Walker, <i>g</i>
Berry, <i>g</i>	Jones, <i>g</i>	Whaley, <i>g</i>
Carrier, <i>g</i>	Mallory, <i>g</i>	Wright, <i>g</i> (10)
Dickie, <i>g</i>		

Hexateuchal Analysis. DM. (55)

HEAD PROFESSOR HARPER.

Archibald, <i>g</i>	Hulley, <i>g</i>	Walker, <i>g</i>
Dickie, <i>g</i>	Jones, <i>g</i>	Whaley, <i>g</i>
Goodspeed, <i>g</i>	Leadingham, <i>d</i>	Woodruff, <i>d</i>
Gray, <i>g</i>	Soares, <i>g</i>	Wright, <i>g</i> (13)
Howard, <i>d</i>		

Introduction to Talmudic Literature: M. 1st Term.

(13)

PROFESSOR HIRSCH.

Berry, <i>g</i>	Mallory, <i>g</i>	Walker, <i>g</i> (5)
Leiser, <i>a</i>	Sperans, <i>a</i>	

Job. M. 1st Term. (40)

PROFESSOR HIRSCH.

Howard, H., <i>d</i>	Leiser, <i>a</i>	Soares, <i>g</i> (4)
Hulley, <i>g</i>		

Reading of Selected Portions of the Babylonian Talmud. M. 2d Term. (37)

PROFESSOR HIRSCH.

Berry, *g* (1)**Introduction to the Textual Criticism of the Old Testament. M. 2d Term. (38)**

PROFESSOR HIRSCH.

(Course not given.)

Special Introduction. DM. (30)

ASSOCIATE PROFESSOR PRICE.

Aitchison, <i>d</i>	Lord, <i>d</i>	Stewart, <i>d</i>
Brumbaugh, <i>d</i>	Rhodes, <i>d</i>	Stucker, <i>d</i>
Davies, <i>d</i>	Sanders, <i>d</i>	Wright, <i>d</i> (10)
Gray, <i>g</i>		

Bilingual Babylonian Psalm Literature. M. 2d Term. (77)

ASSOCIATE PROFESSOR PRICE.

(Course not given.)

Earliest Unilingual Cuneiform Inscriptions. M. 1st Term. (78)

ASSOCIATE PROFESSOR PRICE.

(Course not given.)

The History of Antiquity to the Persian Empire. MM. (IV, 1).

ASSOCIATE PROFESSOR GOODSPEED.

Berry, <i>g</i>	Hancock, <i>g</i>	Knox, <i>g</i> (4)
Dunn, <i>g</i>		

Sight Translation in Hebrew. DM. (8)

DR. CRANDALL.

Archibald, <i>g</i>	Gray, <i>g</i>	Mallory, <i>g</i>
Dickie, <i>g</i>	Leadingham, <i>d</i>	Walker, <i>g</i> (6)

Old Testament Wisdom Literature. DM. (31)

(See also XV, 2).

DR. KENT.

Waldo, *d* Hulley, *g* (2)

VIII. BIBLICAL AND PATRISTIC GREEK.

D. 10-12. (33 Students).

New Testament Greek Grammar. DM. (1)

HEAD PROFESSOR BURTON.

Allen, <i>d</i>	Fisk, <i>d</i>	Nordlander, <i>d</i>
Atchley, <i>d</i>	Fletcher, <i>d</i>	Owen, <i>g</i>
Braker, <i>d</i>	Goodspeed, <i>g</i>	Proctor, <i>d</i>
Bruce, <i>d</i>	Guard, <i>d</i>	Randall, <i>d</i>
Chalmers, <i>d</i>	Hageman, <i>d</i>	Varney, <i>d</i>
Dickerson, <i>u</i>	Howard, <i>d</i>	Wilkin, <i>d</i>
Eaton, <i>d</i>	Ingraham, <i>d</i>	Wishart, <i>d</i>
Eddy, <i>d</i>	Innes, <i>g</i>	Wright, <i>d</i>
Eubank, <i>d</i>	Morgan, <i>d</i>	Wyant, <i>d</i> (27)

The Gospel of Matthew. DM. (8)

HEAD PROFESSOR BURTON.

Aitchison, <i>d</i>	Fletcher, <i>d</i>	Morgan, <i>d</i>
Allen, <i>d</i>	Goodspeed, <i>g</i>	Nordlander, <i>d</i>
Atchley, <i>d</i>	Guard, <i>d</i>	Owen, <i>g</i>
Braker, <i>d</i>	Hageman, <i>d</i>	Proctor, <i>d</i>
Chalmers, <i>d</i>	Howard, <i>d</i>	Randall, <i>d</i>
Dickerson, <i>u</i>	Ingraham, <i>d</i>	Varney, <i>d</i>
Eaton, <i>d</i>	Innes, <i>g</i>	Wilkin, <i>d</i>
Eddy, <i>d</i>	Martin, <i>d</i>	Wright, <i>d</i> (26)
Eubank, <i>d</i>	Myhrman, <i>d</i>	

Patristic Greek: Justin Martyr; Teaching of the Apostles; Gospel and Revelation of Peter.

DM. (Special course).

DR. ARNOLD.

Ashby, <i>d</i>	Innes, <i>g</i>	Woodruff, <i>d</i> (5)
Holcomb, <i>d</i>	Watson, <i>d</i>	

Rapid Reading in Hellenistic Greek. DM. (4)

(Course not given.)

MR. ROOT.

Paul's Corinthian Epistles. M. 2d Term. (14)

(Course not given.)

MR. VOTAW.

IX. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B. 2-8 (12 Students).

Sanskrit, for beginners. DM. (2)

ASSISTANT PROFESSOR BUCK.

Jones, F. N., <i>g</i>	Phillips, <i>d</i>	Winston, <i>g</i>
Jones, J. J., <i>g</i>	Poyen, <i>g</i>	Zarbell, <i>g</i> (6)

Comparative Grammar of the Latin Language. DM. (2)

ASSISTANT PROFESSOR BUCK.

Ely, <i>g</i>	Linseott, <i>g</i>	Walker, <i>g</i>
Fowler, <i>g</i>	Owen, <i>g</i>	Winston, <i>g</i>
Jones, <i>g</i>	Pellet, <i>g</i>	Zarbell, <i>g</i>

X. THE GREEK LANGUAGE AND LITERATURE.

B. 2-8. (65 Students).

Homer. DM. (7)

PROFESSOR SHOREY.

Chase, <i>g</i>	Heil, <i>u</i>	Shaw, <i>g</i>
Davies, <i>g</i>	Johnson, V. O., <i>a</i>	Sherman, <i>a</i>
Dingee, <i>a</i>	Kerr, <i>a</i>	Unger, <i>g</i>
Dodge, <i>g</i>	Luttrell, <i>a</i>	Van Vliet, A., <i>a</i>
Furness, <i>a</i>	McMahan, <i>u</i>	Williston, <i>a</i> (17)
Gettys, <i>a</i>	Porter, <i>a</i>	

Seminar: The History of Ancient Philosophy. DM.

(20)

PROFESSOR SHOREY.

Dodge, <i>g</i>	Millerd, <i>g</i>	Ricketts, <i>u</i>
Ely, <i>g</i>	Owen, <i>g</i>	Smith, <i>g</i>
France, <i>g</i>	Paschal, <i>g</i>	Unger, <i>g</i>
Harley, <i>g</i>	Pellett, <i>g</i>	Zarbell, <i>g</i> (13)
Kruse, <i>a</i>		

Literary Criticism and Rhetoric of the Ancients.

DM. (22)

PROFESSOR SHOREY.

Bray, <i>g</i>	Gilbert, <i>g</i>	Reynolds, <i>g</i>
Carpenter, <i>g</i>	Lewis, <i>g</i>	Smith, <i>g</i> (6)

Greek Lyric Poets (Selections). Theocritus (Selections). DM. (8)

ASSOCIATE PROFESSOR TARBELL.

Blaine, <i>g</i>	Morton, <i>g</i>	Ward, <i>g</i>
Clark, G. N.,	Paschal, <i>g</i>	Willis, <i>u</i> (6)
Jackson, <i>g</i>	Potter, <i>g</i>	

Two Plays of Euripides. DMM. (4)

ASSOCIATE PROFESSOR TARBELL.

Adkinson, H. <i>a</i>	Cook, A. S., <i>a</i>	Milligan, <i>u</i>
Agerter, <i>a</i>	Dingee, <i>a</i>	Peterson, <i>a</i> (8)
Brandt, <i>a</i>	Klock, <i>a</i>	

Xenophon (Memorabilia). DMM. (2)

ASSISTANT PROFESSOR CASTLE.

Atwood, H. F., <i>a</i>	Drew, <i>a</i>	Hoebeke, <i>a</i>
Barnes, F., <i>a</i>	Durand, <i>a</i>	Hulbert, C. D., <i>a</i>
Brock, <i>a</i>	Ellis, M. V., <i>a</i>	Pike, <i>a</i>
Digman, <i>a</i>	Evans, <i>a</i>	Radford, <i>a</i>
Dougherty, H., <i>a</i>	Graves, P., <i>a</i>	Tanaka, <i>a</i> (16)
Dougherty, R., <i>a</i>		

XI. THE LATIN LANGUAGE AND LITERATURE.*B. 2-8. (126 Students).***Pliny the Younger. DM. (22)**

HEAD PROFESSOR HALE.

Blaine, <i>g</i>	France, <i>g</i>	Shaw, <i>g</i>
Babcock, <i>g</i>	Jackson, <i>g</i>	Unger, <i>g</i>
Clark, G. H.,	Linscott, <i>g</i>	Winston, <i>g</i> (11)
Daniels, <i>u</i>	Markham, <i>g</i>	

Seminar: The Comparative Syntax of the Greek and Latin Verb. DM. (43)

HEAD PROFESSOR HALE.

Emery, <i>g</i>	Harley, <i>g</i>	Smith, <i>g</i>
Faulkner, <i>g</i>	Jackson, <i>g</i>	Walker, <i>g</i>
France, <i>g</i>	Millerd, <i>g</i>	Zarbell, <i>g</i> (10)
Gilbert, <i>g</i>		

Lucretius. D.M. (11)

PROFESSOR CHANDLER.

Boomer, <i>a</i>	Morton, <i>g</i>	Ward, <i>g</i>
Davies, <i>g</i>	Paschal, <i>g</i>	Wasson, <i>g</i>
Kruse, <i>u</i>	Potter, <i>g</i>	Willis, H. P., <i>u</i> (11)
Markham, <i>g</i>	Rogers, <i>a</i>	

Roman History from the Sources: The Conspiracy of Catiline. DM. (30)

PROFESSOR CHANDLER.

Harley, <i>g</i>	Kruse, <i>u</i>	Morgan, <i>u</i> (3)
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Introduction to Latin Palæography. DM. (37)

ASSOCIATE PROFESSOR ABBOTT.

Emery, *g* (1)**Seminar: Colloquial Latin. DM. (41)**

ASSOCIATE PROFESSOR ABBOTT.

Babcock, <i>g</i>	Gilbert, <i>g</i>	Shaw, <i>g</i>
Davies, <i>g</i>	Markham, <i>g</i>	Walker, A. T., <i>g</i>
Ely, <i>g</i>	Potter, <i>g</i>	Ward, <i>g</i> (9)

Cicero, Livy, Terence, Tacitus; The Writing of Latin. DMM. (3a) 1st Section.

MR. EMERY.

Hallingby,	Luttrell, <i>a</i>	Peabody, <i>a</i>
Hartley, <i>a</i>	McCaw, <i>a</i>	Porterfield,
Hubbard, M., <i>a</i>	McClintock, J. S., <i>a</i>	Rand, <i>a</i>
Hutchings, <i>a</i>	Mosser, <i>a</i>	Stevens, <i>a</i>
Jackson, W., <i>a</i>	Nichols, F. D., <i>a</i>	Tolman, <i>a</i>
Jordan, <i>a</i>	Osgood, <i>a</i>	Willis, G., <i>a</i> (19)
Lingle, <i>a</i>		

Cicero, Livy, Terence, Tacitus; The Writing of Latin. DMM. (3b) 2d Section.

MR. EMERY.

Angell, <i>a</i>	Friedman, H., <i>a</i>	Milligan, <i>u</i>
Atwood, W. W., <i>a</i>	Gardner, <i>a</i>	Murphy, <i>a</i>
Ballou, <i>a</i>	Goodman, C., <i>a</i>	Nelson, <i>a</i>
Barrett, C. R., <i>a</i>	Gwin, <i>a</i>	Odell, <i>a</i>
Bond, <i>a</i>	Hay, F., <i>a</i>	Perkins, <i>a</i>
Brandt, <i>a</i>	Hering, <i>a</i>	Plant, <i>a</i>
Carroll, <i>a</i>	Hosie, <i>a</i>	Radford,
Castle, <i>a</i>	Hyman, <i>a</i>	Sincere, <i>a</i>
Chamberlin, <i>a</i>	Lagergren, <i>a</i>	Sylla,
Chase, <i>g</i>	Liebenstein, <i>a</i>	Tefft, <i>a</i>
Cornish, <i>a</i>	Macomber, <i>a</i>	Tooker, <i>a</i>
Cosgrove, <i>a</i>	Mandel, <i>a</i>	Woodman, <i>a</i> (36)

Horace; Wilkins's Primer of Roman Literature.

DM. (8a) 1st Section.

DR. F. J. MILLER.

Barrett, L. E., <i>a</i>	Mitchell, <i>a</i>	Smith, H. J., <i>a</i>
Bell, <i>a</i>	Moffatt, <i>a</i>	Smith, K., <i>a</i>
Brown, L., <i>a</i>	Morgan, <i>u</i>	Stone, <i>a</i>
Graves, P., <i>a</i>	Porterfield,	Wasson, <i>g</i>
Hughes, <i>a</i>	Raycroft, <i>a</i>	Winston, <i>a</i> (17)
Hulbert, C. D., <i>a</i>	Robertson, S., <i>a</i>	

Horace; Wilkins's Primer of Roman Literature.

DM. (8b) 2d Section.

DR. F. J. MILLER.

Bliss, <i>a</i>	Furness, <i>a</i>	Peterson, <i>a</i>
Butler, <i>a</i>	Gale, <i>a</i>	Purecell, <i>a</i>
Chace, <i>a</i>	Gettys, <i>a</i>	Sampson, <i>a</i>
De Graff, <i>a</i>	Goodhue, <i>a</i>	Sass, <i>a</i>
Dibell, <i>a</i>	Johnson, R., <i>a</i>	Sperans, <i>a</i>
Downing, <i>a</i>	Klock, <i>a</i>	Todd, <i>a</i>
Foster, E., <i>a</i>	Leiser, <i>a</i>	Wales, <i>a</i> (22)
Friedman, J., <i>a</i>		

XII. ROMANCE LITERATURE AND PHILOLOGY.*B. 12-16. (73 Students.)***Old French. DM. (1) HEAD PROFESSOR KNAPP.**

Austin, <i>g</i>	Hunter, <i>g</i>	Poyen, <i>g</i>
Cutler, <i>g</i>	Neff, <i>g</i>	Witkowsky, <i>g</i> (7)
Fairfield, <i>g</i>		

Old Spanish. DM. (5) HEAD PROFESSOR KNAPP.

Austin, <i>g</i>	Neff, <i>g</i>	Wallace, <i>g</i>
Cutler, <i>g</i>	Poyen, <i>g</i>	Witkowsky, <i>g</i> (7)
Hunter, <i>g</i>		

French Literature of the Nineteenth Century. DM.

(13)

ASSISTANT PROFESSOR BERGERON.

Castle, <i>u</i>	Korsmeyer, <i>g</i>	Walling, <i>a</i> (5)
Kohlsaatt, <i>u</i>	McCafferty, <i>g</i>	

Rapid Reading in Modern French. DM. (14)

ASSISTANT PROFESSOR BERGERON.

Clark, F. B., <i>a</i>	Karpen, <i>a</i>	Neel, <i>a</i>
Beatty, <i>a</i>	Lamay, <i>a</i>	Reese, <i>g</i>
Bennett, <i>a</i>	Lansingh, <i>a</i>	Schwarz, <i>a</i>
Carpenter, <i>a</i>	Law, <i>a</i>	Stowell, <i>a</i>
Colnon, <i>a</i>	Lozier, <i>u</i>	Templeton, <i>u</i>
Fish, <i>a</i>	Morgan, M. S., <i>a</i>	Walling, <i>a</i> (19)
Graves, E. B., <i>a</i>		

French Grammar. DM. (29)

DR. KINNE.

Baird, <i>a</i>	Hobart, <i>a</i>	McGorray, <i>a</i>
Chapin, <i>a</i>	Holloway, <i>a</i>	Porter, <i>a</i>
Dirks, <i>a</i>	Jackson, C. B., <i>a</i>	Roche, <i>a</i>
Evans, <i>a</i>	Keith, <i>a</i>	Rothschild, <i>a</i>
George, <i>a</i>	Klock, <i>a</i>	Sherman, <i>a</i>
Grant, <i>a</i>	Maynard, <i>a</i>	Steigmeyer, <i>a</i> (19)
Hiss, <i>a</i>		

French. Selections from Erckman-Chatrion, etc.

DMM. (28)

DR. KINNE.

Bachelé, <i>a</i>	Leiser, <i>a</i>	Ramsay, <i>u</i>
Diver, <i>a</i>	Mannhardt, <i>a</i>	Runyon, <i>a</i>
Hay, M., <i>u</i>	McClintock, A. J., <i>a</i>	Scarff, <i>a</i>
Hulshart, <i>a</i>	Messick, <i>a</i>	Swett, (14)
Kane, <i>a</i>	Northrup, <i>a</i>	

French Phonetics. DM. (20)

ASSISTANT PROFESSOR BERGERON.

Austin, <i>g</i>	Fairfield, <i>g</i> (2)
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Italian Grammar. M. 1st Term. (21)

MISS CUTLER.

Bowen, <i>g</i>	Neff, <i>g</i> (2)
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Italian Prose. M. 2d Term. (22)

MISS CUTLER.

Bowen, <i>g</i>	Neff, <i>g</i> (2)
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Spanish. DM. (9)

MISS WALLACE.

Carroll, <i>a</i>	McCorkle, <i>a</i>	Murphy, <i>a</i>
Harding, <i>a</i>	Minard, <i>a</i>	Webster, <i>a</i> (8)
Holloway, <i>a</i>	Moran, <i>u</i>	

Lessing as a Dramatist. DM. (14)

ASSISTANT PROFESSOR CUTTING.

Castle, <i>u</i>	McCafferty, <i>g</i>	Shafer, <i>g</i>
Friedman, J., <i>a</i>	Sass, <i>a</i>	Walls, <i>a</i>
Graves, L. B., <i>a</i>	Scarff, <i>a</i>	Wood, W. B. (10)
Laning, <i>u</i>		

Comparative German Grammar. DM. (8)

DR. SCHMIDT-WARTENBERG.

Haire, <i>g</i>	Kern, <i>g</i>	Wood, <i>g</i> (5)
Jones, <i>g</i>	Korsmeyer, <i>g</i>	

Gothic. DM. (3)

DR. SCHMIDT-WARTENBERG.

Bray, <i>g</i>	Owen, <i>g</i>	Shafer, <i>g</i>
Linscott, <i>g</i>	Mulfinger, <i>g</i>	Weston, <i>g</i>

Outline History of German Literature. DM. (16)

DR. C. VON KLENZE.

Scarff, <i>a</i>	Walker, F., <i>u</i>	Wollpert, (3)
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Modern Prose. DM. (20)

ASSISTANT PROFESSOR CUTTING.

Baird, <i>a</i>	Hewitt, Helen, <i>a</i>	Moffatt, <i>a</i>
Bell, <i>a</i>	Hewitt, Henry, <i>a</i>	Pierce, E. V., <i>u</i>
Bliss, <i>a</i>	Holloway, <i>a</i>	Russell, <i>a</i>
Braam, <i>a</i>	Howard, <i>a</i>	Scott, <i>a</i>
Campbell, J. T., <i>a</i>	Jenkinson, <i>a</i>	Smith, K. G., <i>a</i>
Chapin, <i>a</i>	Johnson, V. O., <i>a</i>	Stone, <i>a</i>
Chollar, <i>a</i>	Keith, <i>a</i>	Swarte, de, <i>u</i>
Downing, <i>a</i>	Kerr, <i>a</i>	Taylor, <i>u</i>
George, <i>a</i>	Knapp, <i>a</i>	Todd, <i>a</i>
Goodhue, <i>a</i>	Knecht, <i>a</i>	Williams, D., <i>a</i> (32)
Haft, <i>a</i>	Lewis, A. B., <i>u</i>	

Outline Study of Goethe's Works. DM. (24)

DR. SCHMIDT-WARTENBERG.

Bishop, <i>a</i>	Gilpatrick, <i>a</i>	Wolf, H. D., <i>a</i>
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German Lyrics. DM. (22)

DR. VON KLENZE.

Bray, <i>a</i>	Jones, <i>a</i>	Speer, <i>a</i>
Chapin, <i>a</i>	Jones, <i>g</i>	Thompson, E., <i>a</i>
Dibell, <i>a</i>	Kells, <i>a</i>	Thompson, H. B., <i>a</i>
Gleason, <i>a</i>	Reese, <i>g</i>	Woodward, <i>a</i> (14)
Hay, F., <i>a</i>	Smith, H. J., <i>a</i>	

Elementary Course in German. DMM. (18)

MR. MULFINGER.

Arnold, O., <i>a</i>	Lewis, M. C., <i>a</i>	Shallies, <i>a</i>
Blakely, <i>g</i>	Lewis, S. W., <i>a</i>	Simpson, <i>a</i>
Bliss, <i>a</i>	McBee, <i>a</i>	Thomas, F. M., <i>a</i>
Bowers, <i>a</i>	Mixsell, <i>a</i>	Tompkins, <i>g</i>
Crotty, <i>g</i>	Payne, <i>a</i>	Trumbull, <i>a</i>
Dawes, <i>a</i>	Pershing, <i>a</i>	Webster, <i>a</i>
Dickerson, <i>a</i>	Pierce, L. F., <i>a</i>	Wilson, <i>a</i>
Flint, J., <i>a</i>	Robinson, <i>a</i>	Wood, <i>g</i>
Flint, N. W., <i>a</i>	Scovel, <i>a</i>	Woods, <i>a</i> (28)
Hunter, F. J., <i>u</i>		

Scientific Reading. DM. (25)

DR. VON KLENZE.

Sanders, <i>g</i> (1)

XIV. THE ENGLISH LANGUAGE AND LITERATURE; AND RHETORIC.

K. (177 Students.)

Poetics. DM. (9)

PROFESSOR WILKINSON.

Anderson, <i>a</i>	Harris, <i>a</i>	Squires, <i>g</i>
Kohlsaatt, <i>u</i>	Weatherlow, <i>g</i>	Wilkinson, F., <i>g</i> (11)
Bentley, <i>a</i>	Lambert, <i>u</i>	
Friedman, <i>g</i>	Ranney, <i>a</i>	

Germanic Seminar.

PROFESSORS CUTTING, SCHMIDT-WARTENBERG, VON KLENZE.

Kern, <i>g</i>	Jones, Jessie, <i>g</i>	Rullkoetter, <i>g</i>
Korsmeyer, <i>g</i>	Mulfinger, <i>g</i>	Wood, F. A., <i>g</i> (6)

Faust. DM. (1)

ASSISTANT PROFESSOR CUTTING.

Korsmeyer, <i>g</i>	Rullkoetter, <i>g</i>	Wood, F. A., <i>g</i> (4)
Mulfinger, <i>g</i>		

Sentences: M. (7) 1st Term.

PROFESSOR WILKINSON.

Bentley,	Matz,	Shannon,
Harris,	Osgood, <i>u</i>	Wilkins, <i>g</i> (8)
Heil, <i>u</i>	Ricketts, <i>u</i>	

History and Fiction. M. (8) 2d Term.

PROFESSOR WILKINSON.

Wilkins, *g* (1)

Old English. DM. (27)

ASSISTANT PROFESSOR BLACKBURN.

Carpenter, <i>g</i>	Bowen, <i>g</i>	Otis,
Crotty, <i>g</i>	Brainard, <i>g</i>	Walker, F., <i>u</i> (6)

Old English Seminar. DM. (28)

ASSISTANT PROFESSOR BLACKBURN.

Brainard, *g* Ogden, *g* (2)

Old English. Elementary Course. DM. (23)

ASSISTANT PROFESSOR BLACKBURN.

Battis,	Love, <i>g</i>	Weatherlow, <i>g</i>
Carpenter, <i>g</i>	Mitchell, F. L.,	Williams, J.,
Dougherty, <i>a</i>	Owen, <i>g</i>	Witt,
Grant, <i>g</i>	Shafer, <i>g</i>	Wood, <i>g</i>
Johnson, <i>g</i>	Squires, <i>g</i>	Woods, W. B., (16)
Lambert, <i>u</i>		

English Literature of the Elizabethan Period. DM.

(14)

ASSISTANT PROFESSOR CROW.

Davis,	Keith,	Shafer, <i>g</i>
Deaton, <i>g</i>	Lambert, <i>u</i>	Vander Ploeg, <i>g</i>
Hilliard, <i>g</i>	Love, <i>g</i>	Woods, W. B., (11)
Johnson, <i>g</i>	McCoskey, <i>g</i>	

Milton. DM. (16)

ASSISTANT PROFESSOR MCCLINTOCK.

Bowen, <i>g</i>	Hilliard, <i>g</i>	Page, <i>g</i>
Carpenter, <i>g</i>	Johnson, <i>g</i>	Squires, <i>g</i>
Dodge, <i>g</i>	Love, <i>g</i>	Walker, F., <i>u</i>
Friedman, <i>g</i>	Maddocks, <i>g</i>	Weatherlow, <i>g</i>
Grant, <i>g</i>	Milliman, <i>g</i>	Wilkins, <i>g</i> (15)

English Literature Seminar. DM. (33)

ASSISTANT PROFESSOR MCCLINTOCK.

Carpenter, <i>g</i>	Milliman, <i>g</i>	Reynolds, <i>g</i> (4)
Lathe, <i>g</i>		

Advanced English Composition. DM. (5)

MR. HERRICK.

Allen, I. W. Jr., <i>d</i>	Hnbbard, H. D.	Otis,
Chandler, <i>a</i>	Laning, <i>u</i>	Rogers, <i>a</i>
Davis,	Lathe, <i>g</i>	Weston, <i>g</i>
Emerson,	Love, <i>g</i>	Williams, <i>g</i> (14)
Goodspeed,	McKinley,	

English Literature of the Nineteenth Century. DM.

(20)

MR. TRIGGS.

Anderson,	Kennedy,	Radford, M., <i>u</i>
Angell, <i>a</i>	Lindblad, <i>a</i>	Ranney,
Cook, <i>a</i>	McClintock, <i>a</i>	Raycroft, <i>a</i>
Diver, <i>a</i>	McGorray,	Thomas, M. S., <i>a</i>
Fox,	Meadowcraft,	Walker, F., <i>u</i>
Goodspeed,	Packer, <i>a</i>	Williams, J., (19)
Hale, <i>a</i>		

Special Research. ASSISTANT PROFESSOR MCCLINTOCK.

Lathe, *g* Lewis, *g* (2)

English Romantic Poetry from 1780 to 1830. DM.

(18) ASSISTANT PROFESSOR TOLMAN.

Anderson,	Hancock,	Wales, <i>a</i>
Boomer, J., <i>a</i>	McGorray,	Walker, <i>u</i>
Bray,	McMahan, <i>u</i>	Weston, <i>g</i>
Chadbourn, <i>u</i>	Russell, <i>a</i>	Williams, J.,
Goodspeed,	Sampsell, <i>a</i>	Witt, (16)
Haft, <i>a</i>		

Rhetoric and Composition. DM. (1a) MR. LOVETT.

Baker, <i>a</i>	Jackson, C. B., <i>a</i>	Pollock, <i>a</i>
Breeden, <i>a</i>	Kells, <i>a</i>	Rothschild, <i>a</i>
Campbell, <i>a</i>	Klock, <i>a</i>	Steigmeyer,
Dirks, <i>a</i>	Lipsky, <i>a</i>	Thomas, I. M., <i>a</i>
Eisendrath, <i>a</i>	Loeb, L., <i>a</i>	Thompson, E., <i>a</i>
Foster, <i>a</i>	Mandeville, <i>a</i>	Vanghan, W., <i>a</i>
Grant, <i>a</i>	McCorkle, <i>a</i>	Witt,
Graves, L. B., <i>a</i>	Munson,	Wollpert,
Harding, <i>a</i>	Noble, <i>a</i>	Wright, (27)

Rhetoric and Composition. DM. (1b) MR. HERRICK.

Alling,	Flint, J., <i>a</i>	Mixsell,
Batt, <i>a</i>	Goss,	Niblock,
Battis,	Graves, E. B., <i>a</i>	Odell, <i>a</i>
Chollar, <i>a</i>	Hutchings, <i>a</i>	Osgood, <i>a</i>
Cornish, <i>a</i>	Kane, <i>a</i>	Plant, <i>a</i>
Crandall, <i>a</i>	Kelso,	Ranney,
Dornisfe, <i>a</i>	Kennedy,	Schwarz, <i>a</i>
Durand, <i>a</i>	Law, <i>a</i>	Shallies,
Eastman, <i>u</i>	Liebenstein, <i>a</i>	Thompson, H. B., <i>a</i>
Ellis, M. V., <i>a</i>	Lingle, <i>a</i>	Williams, C. L., <i>a</i>
Fish, <i>a</i>	Meadowcraft,	(32)

Rhetoric and Composition. DM. (1c) MR. LEWIS.

Ballou, <i>a</i>	Gwin, <i>a</i>	McCaw, <i>a</i>
Beardsley,	Hering, <i>a</i>	Perkins, <i>a</i>
Bliss, <i>a</i>	Hewitt, Helen, <i>a</i>	Pershing, <i>a</i>
Campbell, <i>a</i>	Hyman, <i>a</i>	Peterson, <i>a</i>
Chamberlin, <i>a</i>	Jackson, W., <i>a</i>	Radford, M. E., <i>a</i>
Colnon,	Jenkinson, <i>a</i>	Rand, <i>a</i>
Cosgrove, <i>a</i>	Keen, <i>a</i>	Runyon,
Davis,	Lagergren, <i>a</i>	Simpson, <i>a</i>
Dignan, <i>a</i>	Logie, <i>u</i>	Sincere, <i>a</i>
Drew, <i>a</i>	Macomber, <i>a</i>	Tefft, <i>a</i>
Evans, <i>a</i>	Mandel, <i>a</i>	Tooker, <i>a</i>
Goodman, <i>a</i>	Mannhardt, <i>a</i>	Trumbull, <i>a</i> (36)

English Composition. D.M. (2)

MR. LOVETT.

Barnes, F., <i>a</i>	Hopkins, <i>a</i>	Walker,
Bishop, <i>a</i>	Hosie, <i>a</i>	Williams, C. B., <i>a</i>
Fox,	Howard, <i>a</i>	Wilmath,
Gallion,	Karpen, <i>a</i>	Winston, <i>a</i>
Gardner, <i>a</i>	Matz,	Wolff, H. D., <i>a</i>
Hartley,	Mitchell, F. L.,	Wolff, L. (20)
Hay, M., <i>u</i>	Radford, M., <i>u</i>	

English Literature. DM. (3)

ASSISTANT PROFESSOR TOLMAN.

Agarter, <i>a</i>	Gale, <i>a</i>	Mitchell F. L.,
Alling,	Gleason, <i>a</i>	Niblock,
Battis,	Hamilton, <i>a</i>	Packer, <i>a</i>
Beardsley,	Hobart, <i>a</i>	Robertson, S., <i>a</i>
Brown, L., <i>a</i>	Hughes, <i>a</i>	Roche, <i>a</i>
Carpenter, <i>a</i>	Johnson, R., <i>a</i>	Rowan,
Chace, <i>a</i>	Kelso,	Sperans, <i>a</i>
Dore, <i>a</i>	Kennedy,	Stover,
Friedman, J., <i>a</i>	McGillivray, <i>a</i>	Williams, J. W., (27)

XV. BIBLICAL LITERATURE IN ENGLISH.

D. 10-12. (11 Students.)

History of New Testament Times. DM. (B1)		
MR. VOTAW.		
Evans,	Lozier, <i>u</i>	Loughridge, <i>d</i> (3)
Old Testament Wisdom Literature. DM. (2)		
(See also VII, 31.) DR. KENT.		
Evans, <i>d</i>	Mason, <i>d</i>	Stewart, <i>d</i>
Knapp, <i>a</i>	McClintock, <i>a</i>	Summers, <i>d</i>
Lockwood, <i>d</i>	Pollock, <i>a</i>	Witt, <i>d</i> (10)
Loughridge, <i>d</i>		

XVI. MATHEMATICS.

R. (98 Students.)

Theory of Functions of a Complex Variable. (D.M.)		
(16)	PROFESSOR MOORE.	
Froley, <i>g</i>	Huff, <i>g</i>	Slaught, <i>g</i>
Gillespie, <i>g</i>	McGriskin, <i>g</i>	Whitney, <i>g</i> (6)
Advanced Integral Calculus. D.M. (7)		
ASSOCIATE PROFESSOR BOLZA.		
Fenelon, <i>g</i>	Lehman, <i>g</i>	Taylor, <i>g</i>
Gillespie, <i>g</i>	Schottenfels, <i>g</i>	Torrey, <i>g</i> (7)
Joffe, <i>g</i>		

Hyperelliptic Functions. DM. (21)		
ASSOCIATE PROFESSOR BOLZA.		
Hardcastle, <i>g</i>	Hutchinson, <i>g</i>	Smith, <i>g</i> (4)
Heller, <i>g</i>		

Theory of Surfaces. D.M. (8)		
ASSISTANT PROFESSOR MASCHKE.		
Gillespie, <i>g</i>	Joffe, <i>g</i>	Schottenfels, <i>g</i>
Heller, <i>g</i>	McGriskin, <i>g</i>	Smith, <i>g</i> (7)
Huff, <i>g</i>		

Analytic Mechanics. DM. (12)		
ASSISTANT PROFESSOR MASCHKE.		
Gillespie, <i>g</i>	Huff, <i>g</i>	Slaught, <i>g</i> (5)
Goldberg, <i>a</i>	McGriskin, <i>g</i>	

Determinants. Theory of Equations. DM. (6)		
DR. YOUNG.		
Barrett, <i>g</i>	Lansingh, <i>a</i>	Schottenfels, <i>g</i>
Deaton, <i>g</i>	Lehman, <i>g</i>	Spalding, <i>a</i>
Fenelon, <i>g</i>	McGriskin, <i>g</i>	Torrey, <i>g</i> (10)
Joffe, <i>g</i>		

Thesis Work. ASSOCIATE PROFESSOR BOLZA.	
Hutchinson, <i>g</i> (1)	

Plane Analytic Geometry. DM. (5)		
PROFESSOR MOORE.		
Barker, <i>a</i>	Gleason, <i>a</i>	Neel, <i>a</i>
Barrett, <i>g</i>	Harvey, <i>g</i>	Payne,
Braam,	Heil, <i>u</i>	Schnelle, <i>a</i>
Deaton, <i>g</i>	Johnson, V. O., <i>a</i>	Steigmeyer, <i>a</i>
George, <i>a</i>	Munson,	Stone, <i>g</i> (15)

Algebra, Plane Trigonometry, and Coördinate Geometry of the Point, Line, and Circle. DM. (1a)		
DR. BOYD.		

Ballou, <i>a</i>	Dawes,	Mandeville <i>a</i>
Barrett, C., <i>a</i>	Dirks, <i>a</i>	Noble, <i>a</i>
Batt, <i>a</i>	Dougherty, <i>a</i>	Peabody, <i>a</i>
Beatty, <i>a</i>	Foster, <i>a</i>	Roche, <i>a</i>
Breeden, <i>a</i>	Grant, <i>a</i>	Rothschild, <i>a</i>
Chollar, <i>a</i>	Hulshart, <i>a</i>	Vaughan, <i>a</i>
Comstock,	Jones, <i>a</i>	(20)

Algebra, Plane Trigonometry, and Coördinate Geometry of the Point, Line, and Circle. DM. (1b)		
DR. BOYD.		

Broek, <i>a</i>	Marsh, <i>a</i>	Schwarz, <i>a</i>
Cook, <i>a</i>	Nelson, <i>a</i>	Walling, <i>a</i>
Loeb, L., <i>a</i>		(7)

Algebra, Plane Trigonometry, and Coördinate Geometry of the Point, Line, and Circle. DM. (1c)		
DR. YOUNG.		

Baker, <i>a</i>	Gilpatrick, <i>a</i>	Russell, <i>g</i>
Campbell, <i>a</i>	Graves, E., <i>a</i>	Smith, H. J., <i>a</i>
Coolidge, <i>a</i>	Graves, L., <i>a</i>	Smith, K. G., <i>a</i>
Crandall, <i>a</i>	Jenkinson, <i>a</i>	Thomas, J. M., <i>a</i>
Dore, <i>a</i>	McCorkle, <i>a</i>	Thompson, E., <i>a</i>
Eisendrath, <i>a</i>	Mitchell, W., <i>a</i>	Thompson, H. B., <i>a</i>
Fish, <i>a</i>		(19)

Plane Trigonometry. M. 1st Term. (2)	
DR. BOYD.	

Barrett, L. E., <i>a</i>	Hewitt, Henry, <i>a</i>	Rapp, <i>a</i>
Clark, F. B., <i>a</i>	Hughes, <i>a</i>	Sampsel, <i>a</i>
Dawes,	Jackson, C. B., <i>a</i>	Shibley,
De Graff, <i>a</i>	McGillivray, <i>a</i>	Stowell, <i>a</i>
Dibell, <i>a</i>	Moffatt, <i>a</i>	Wales, <i>a</i>
Gale, <i>a</i>	Purcell, <i>a</i>	Winston, <i>a</i> (19)
Haft, <i>a</i>		

Spherical Trigonometry. M. 2d Term. (3)		
DR. BOYD.		
Minard, <i>a</i>	Rapp, <i>a</i>	Stowell, <i>a</i> (3)

XVII. ASTRONOMY.

S. and R. (11 Students.)

Astronomical Photography. DM. (1)	
ASSOCIATE PROFESSOR HALE.	
(Course omitted owing to Professor Hale's absence in Europe.)	

Astronomical Seminar. (10) DR. SEE.		
Barrett, <i>g</i>	Lehman, <i>g</i>	Smith, <i>g</i>
Froley, <i>g</i>	Slaught, <i>g</i>	Taylor, <i>g</i> (7)
Harvey, <i>g</i>		

Stellar Spectroscopy. DM. (or MM). (3)	
ASSOCIATE PROFESSOR HALE.	
(Course omitted owing to Professor Hale's absence.)	

Mechanics of a System of Bodies and the Perturbing Function. DM. (5)		
DR. SEE.		
Froley, <i>g</i>	Lehman, <i>g</i>	Slaught, <i>g</i> (3)

Spherical and Practical Astronomy. DM. (8)
 DR. SEE.
 Barrett, *g* Harvey, *g* Taylor, *g* (5)
 Froley, *g* Smith, *g*

General Astronomy. Introductory Course. DM. (11)
 DR. SEE
 Clark, H. L., *a* Logie, *u* Taylor, *u*
 Harvey, *g* Marot, *u* Wyant, A. M., *u* (6)

XVIII. PHYSICS.

S. and R. (14 Students).

Research Course. (1) HEAD PROFESSOR MICHELSON.
 Markhof, *g* (1)

Graduate Course. DM. (or MM). (2)
 HEAD PROFESSOR MICHELSON.
 Barrett, *g* Whitney, *g* (2)

General Physics. (Advanced.) 3DM. (3)
 PROFESSORS MICHELSON AND STRATTON.

Barrett, <i>g</i>	Mitchell, <i>g</i>	Welch, <i>g</i>
Cooke, <i>g</i>	Newby, <i>g</i>	Whitney, <i>g</i>
Lansingh, <i>a</i>	Stone, <i>g</i>	Wolf, <i>g</i> (10)
Markhof, <i>g</i>		

Laboratory Practice. (Advanced.) 7 DM. (4)
 PROFESSORS MICHELSON AND STRATTON.
 (Course not given).

Laboratory Practice. DM. (6) MR. HOBBS.
 Hessler, Scott, Zoethout, *a* (5)
 Robbins, Stone, *g*

XIX. CHEMISTRY.

S. and K. (37 Students).

Organic Chemistry. DM. (6) PROFESSOR NEF.
 Bothe, *g* Hesse, *g* Swartz, *g*
 Chesnut, *g* Mitchell, *g* Wood, *g* (6)

Organic Preparations. Laboratory Work. DM. (or MM). (12)
 PROFESSOR NEF.
 Chesnut, *g* Swartz, *g* (2)

Research Work for Ph.D. Thesis. Laboratory Work. DMM. (14)
 PROFESSOR NEF.
 Bernhard, *g* Smith, *g* Wood, *g* (4)
 Mitchell, *g*

Journal Meetings. (15) PROFESSOR NEF.
 Bernhard, *g* Mitchell, *g* Swartz, *g*
 Chesnut, *g* Smith, *g* Wood, *g* (7)
 Hesse, *g*

General Chemistry. Introductory Course. DM. (1)
 ASSISTANT PROFESSOR STOKES.

Abells,	Hiss,	Stone, <i>g</i>
Barrett, F. P.,	Lamay, <i>a</i>	Stowell, <i>a</i>
Boomer, J., <i>a</i>	Lewis, A. B., <i>u</i>	Tolman, <i>a</i>
Comstock,	Markhof, <i>g</i>	Walling, <i>a</i>
Dewing,	Minard, <i>u</i>	Webster, <i>a</i>
Emerson, <i>g</i>	Pierce, E. V., <i>u</i>	Whitson, <i>a</i>
Guyer, <i>u</i>	Robbins,	Wolfe, <i>a</i>
Hamilton, <i>a</i>	Scott,	Wolff, L., <i>a</i>
Hessler,	Shibley,	Zoethout, <i>u</i> (27)

Advanced Inorganic Work. DM. (or MM). (10)
 ASSISTANT PROFESSOR STOKES.
 (Course not given).

Research Work for Ph.D. Thesis. (Inorganic).
 DMM. (14) ASSISTANT PROFESSOR STOKES.
 (Course not given).

Qualitative Analysis. Laboratory Work. DM. (or MM). (4) ASSISTANT PROFESSOR SCHNEIDER.
 Abells, Hiss, Stone, *g*
 Blackmar, *u* Newby, *g* Whitson, *a* (7)
 Emerson, *g*

Analytical Chemistry. Qualitative Analysis. Lectures. 1/2 DM. (3a)
 ASSISTANT PROFESSOR SCHNEIDER.
 (Course not given).

Quantitative Analysis. Laboratory Work. DM. (or MM). (5)
 ASSISTANT PROFESSOR SCHNEIDER.
 Bothe, *g* Hiss, Stone, *g* (3)

Research Work for Ph.D. Thesis. (Inorganic).
 DMM. (14) ASSOCIATE PROFESSOR SCHNEIDER.
 (Course not given).

Theoretical Chemistry. Lectures. 1/2 DM. (9)
 DR. LENGFELD.
 Bothe, *g* Hesse, *g* Stone, *g* (4)
 Chesnut, *g*

Research Work for Ph.D. Thesis. (Organic Chemistry). DMM. (14) DR. LENGFELD.
 Hesse, *g* Smith, *g* (2)

Organic Nitrogen Derivatives. 1/2 DM. (20)
 DR. STIEGLITZ.
 Bernhard, *g* Swartz, *g* (2)

Research Work for Ph.D. Thesis. (Organic Chemistry). DM. (14) DR. STIEGLITZ.
 (Course not given).

XX. GEOLOGY.

W. (48 Students).

Seminar. (25) HEAD PROFESSOR CHAMBERLIN.
 Quereau, *g* (1)

Principles and Working Methods of Geology. DM. (or MM). (22)

HEAD PROFESSOR CHAMBERLIN.
 Perisho, *g* Quereau, *g* (2)

Local Field Geology. (24)
 HEAD PROFESSOR CHAMBERLIN.
 (Course not given).

Special Geology. (23)
 HEAD PROFESSOR CHAMBERLIN.
 Bownocker, *g* Quereau, *g* Willard, *g* (3)

Geographic Geology. DM. (or DMM). (10)
 PROFESSOR SALISBURY.
 Barnes, S. D., *u* Ford, *g* Perisho, *g* (4)
 Jameson, *a*

Local Field Geology. (24) PROFESSOR SALISBURY.
 (Course not given).

Crystallography. M. (2)
 ASSOCIATE PROFESSOR IDDINGS.
 Barrett, F. P., Ford, *g* Perisho, *g*
 Bothe, *g* Lewis, A., *u* Thomas, F. M., (6)

Physical Mineralogy. M. (3)
 ASSOCIATE PROFESSOR IDDINGS.
 Ford, *g* Perisho, *g* Thomas, F. M., (4)
 Lewis, A., *u*

Petrography. DMM. (or DM). (6)
 ASSOCIATE PROFESSOR IDDINGS.
 Bownocker, *g* Knapp, *a* (2)

Laboratory Work in Geographic Geology. M. (11)
 2d Term. MR. KUMMEL.
 (Course not given.)

Physiography. DM. (1)
 PROFESSOR SALISBURY.
 Atwood, H. F., *a* Gilpatrick, *a* Pollock, *a*
 Bachelé, *a* Goodhue, *a* Purcell, *a*
 Baker, *a* Hale, *a* Shannon,
 Bennett, *a* Johnson, R., *a* Sperans, *a*
 Butler, *a* Maynard, *a* Stover,
 Campbell, J. F., *a* McWilliams, *a* Thomas, I. M., *a*
 Campbell, J. W., *a* Messick, *a* Thomas, M. S., *a*
 Coolidge, *a* Miller, *g* Van Vliet, *a*
 Dougherty, H., *a* Morgan, E., *a* Voight, *a*
 Dougherty, M., *a* Morgan, M. S., *a* Weingarten, *a*
 Downing, *a* Noble, *a* Williston, *a*
 Eisendrath, *a* Packer, *a* Wyant, A. M., *u* (36)

XXII. ZOÖLOGY.

S. (33 Students.)

Embryology. Higher Invertebrates. DMM. (1),
 HEAD PROFESSOR WHITMAN.
 Brode, *g* Johnson, *g* Munson, *g*
 Clapp, *g* Lacy, *g* Sturges, *g* (8)
 Hardesty, *g* Lillie, *g*

Seminar: Historical Topics. DM. (3)
 HEAD PROFESSOR WHITMAN.
 Brode, *g* Johnson, *g* (2)

Vertebrate Embryology. DMM. (4)
 DR. LILLIE.
 Farr, *g* Hubbard, M. E., *u* Taylor, *g* (5)
 Guyer, *u* MacRae,

Cellular Biology. Lectures. (7)
 DR. WATASE.
 (Course not given.)

Elementary Zoölogy. DM. (5)
 DR. JORDAN.
 Bell, *a* Lozier, *u* Thomas, F. M.,
 Bownocker, *g* Miller, *g* Weingarten, *a*
 Chamberlain, *g* Munson, Whitson, *a*
 Ford, *g* Pierce, L. F., *a* Wolfe, *g*
 Hubbard, M. E., *u* Strawn, *a* Zoethout, *u* (16)
 Lewis, A., *a*

PALEONTOLOGY.

Outlines of Vertebrate Zoölogy and Palæontology.
 M. (8) ASSISTANT PROFESSOR BAUR.
 Comstock, Hay, *g* Munson, *g* (3)

**Research in the Osteology of Living and Extinct
 Vertebrates.** DMM. (11)
 ASSISTANT PROFESSOR BAUR.
 Farr, *g* Merriam, *g* Taylor, *g* (4)
 Hay, *g*

Thesis Work. ASSISTANT PROFESSOR BAUR.
 Bristol, *g* (1)

XXIII. ANATOMY AND HISTOLOGY.

S. (5 Students.)

General Histology of Animals. DM. (1)
 MR. EYCLESYMER.
 Chamberlain, *g* Hardesty, *g* Shibley, (5)
 Guyer, *u* Hubbard, M. E., *u*

XXIV. PHYSIOLOGY.

S. (8 Students.)

Original Investigations in Physiology. DMM. (1)
 ASSISTANT PROFESSOR LOEB.
 Cooke, *g* (1)

**Physiology of the Sense Organs, and the Peripheral
 and Central Nervous System.** DM. (2)
 ASSISTANT PROFESSOR LOEB.
 Brode, *g* Munson, *g* Welch, *g* (5)
 Hardesty, *g* Sturges,

**Laboratory Work in the Physiology of the Sense
 Organs, and the Nervous System.** (3) In con-
 nection with course 4.

ASSISTANT PROFESSOR LOEB.
 Brode, *g* Chamberlain, *g* Mitchell, *g* (3)

Seminar. In connection with course 3. (4)
 ASSISTANT PROFESSOR LOEB.
 Brode, *g* Comstock, Mitchell, *g* (5)
 Chamberlain, *g* Cooke, *g*

XXV. NEUROLOGY.

K. 45. (4 Students.)

The Architecture of the Central Nervous System.
 DM. (1) PROFESSOR DONALDSON.
 Lillie, *g* Manchester, *g* Stafford, *g* (4)
 MacRae,

Physical Characters of the Brain as related to Intelligence. M. 2d Term. (3)

(Course not given.) PROFESSOR DONALDSON.

Seminar. DM. (6) PROFESSOR DONALDSON.
(Course not given.)

XXVI. ELOCUTION.

(85 Students.)

Theory and Practice. (1)

MR. CLARK.

I. Section.

Clark, F. B., <i>a</i>	Gettys, <i>a</i>	Van Vliet, <i>a</i>
Cook, <i>a</i>	Gilpatrick, <i>a</i>	Weingarten, <i>a</i>
DeGraff, <i>a</i>	Maynard, <i>a</i>	Williams <i>a</i>
Furness, <i>a</i>	Otis,	Winston, <i>a</i> (12)

II. Section.

Baird, <i>a</i>	McCalla,	Woodward, <i>a</i>
Carpenter, <i>a</i>	Pike <i>a</i> .	Willis, G. P., <i>a</i>
Davis,	Rice,	Wright, (11)
Kerr <i>a</i>	Stowell, <i>a</i>	

III. Section.

Atwood, <i>a</i>	Hale, <i>a</i>	Messick, <i>a</i>
Beatty, <i>a</i>	Hosic, <i>a</i>	Minard, <i>a</i>
Brown, <i>a</i>	Hulbert, <i>a</i>	Robertson, <i>a</i>
Diver, <i>a</i>	Johnson, <i>a</i>	Robinson, <i>a</i>
Goodhue, <i>a</i>	Jones, <i>a</i>	Sperans, <i>a</i> (15)

IV. Section.

Carroll, <i>a</i>	Hulshart, <i>a</i>	Walls, <i>a</i>
Coolidge, <i>a</i>	Roche, <i>a</i>	Williston, <i>a</i>
Graves, <i>a</i>	Stone, <i>a</i>	Wilson,
Holloway, <i>a</i>	Tanaka, <i>a</i>	Woods, <i>a</i> (13)
Hughes, <i>a</i>		

V. Section.

Arnold, <i>a</i>	Goldberg, <i>a</i>	Moffatt, <i>a</i>
Barrett, L. E., <i>a</i>	Luttrell, <i>a</i>	Sass, <i>a</i>
Brandt, <i>a</i>	McClintock, A.J., <i>a</i>	Sherman, <i>a</i>
Gale, <i>a</i>	McClintock, S.,	Todd, <i>a</i> (13)
Gardner, <i>a</i>		

VI. Section.

Downing, <i>a</i>	Hubbard, H. D.	Klock, <i>a</i>
Friedman, J. C., <i>a</i>	Johnson, V. O., <i>a</i>	Thomas, F. M. (7)
Goss,		

Advanced Elocution. M. (2)

MR. CLARK.

Barnes, <i>a</i>	Jameson, <i>a</i>	Rapp, <i>a</i>
Caraway, <i>a</i>	Karpen, <i>a</i>	Swarte, de, <i>u</i>
Goss,	Kennedy,	Taylor, N. M., <i>g</i>
Harris,	Lamay, <i>a</i>	Tolman, <i>a</i>
Hosic, <i>a</i>	Odell, <i>a</i>	Voight, <i>a</i> (15)

THE DIVINITY SCHOOL

OF

The University of Chicago

Founded by JOHN D. ROCKEFELLER.

CORRECTED ANNOUNCEMENTS

FOR THE WINTER QUARTER, 1894

1. A weekly exercise in *Plans and Sermons*, under Professors Anderson and Johnson, is required of all students in the Graduate Divinity School. A credit of one Minor is given for the year's work. The First-Year Students will meet Tuesdays at 2 p.m. The Second-Year Students will meet Wednesdays at 2 p.m. The Third-Year Students will meet Thursdays at 2 p.m.

2. Course XXXI (8) is required for the degree; but for the present year men who have had XXXI (1) may take XXXI (10) as a substitute for XXXI (8).

3. The Divinity School MUSIC CLASS will meet on Wednesdays at 5 p.m., in the Lecture Room of Cobb Lecture Hall. The object of this class is to furnish instruction in elementary vocal music, notation and sight reading. It is designed to aid students in their practical preparatory work for the Christian ministry and is free to all Divinity students.

4. Divinity students will meet in the Gymnasium for PHYSICAL CULTURE, under the direction of Mr. C. W. Allen, Tuesdays, Wednesdays, Thursdays and Fridays, at 4:15 p.m.

5. Divinity students desiring to take lessons in ELOCUTION can become members of Professor Clark's classes by the payment of a nominal fee.

6. The MISSIONARY MEETING of the Divinity School will be held in the Chapel every alternate Thursday at 7:30 p.m.

7. The CLASS PRAYER MEETINGS will be held as follows: The First-Year Students will meet Tuesdays at 12:30 p.m. The Second-Year Students will meet Wednesdays at 12:30 p.m. The Third-Year Students will meet Thursdays at 12:30 p.m.

TIME SCHEDULE

FOR THE WINTER QUARTER, 1894

ABBREVIATIONS.—A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor A. The rooms are numbered.
The numbers are the Courses given during the Winter Quarter. Full descriptions are given in the Calendar and Register.

	7.30	8.30	9.30	10.30	11.30	2.00	3.00	4.00
XXX. [vii.] Old Testament. D 12-16		1	4 68 69 71	32	88	44 48	21 23 43 69 71	
XXXI. [viii.] New Testament. D 10-12							10	24
XXXIII. Systematic Theology. D 2-7			1					
XXXIV. Church History. D 2-7		12 28			2	11 13		
XXXV. Homiletics. D 2-7							2	
XV. Biblical Literature in English. D 10-12					B, 11 B, 12	B, 8 B, 9		

The prescribed work for First-Year Students, in the Graduate Divinity School, is as follows:

HEAD PROFESSOR HARPER.

Hebrew Language. DM. (1) At 8.30.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. DM. (1)
At 9.30.

HEAD PROFESSOR ANDERSON.

Homiletics. DM. (2) At 3.00.

PROFESSORS ANDERSON AND JOHNSON.

Plans and Sermons. (1) Tuesdays at 2.00.

The English Theological Seminary

TIME SCHEDULE

FOR THE WINTER QUARTER, 1894

THE FIRST YEAR.

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. DM. XXXIII. (12)
At 11.30.

ASSISTANT PROFESSOR SIMPSON.

Anthropology. M. 1st Term. XXXIII. (9) At 4.00.
Ethics. DM. XXXIII. At 2.00.

ASSISTANT PROFESSOR JOHNSON.

Homiletics. M. 2d Term. XXXV. (2) At 3.00.

THE SECOND YEAR.

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. DM. XXXIII. (12)
at 11.30.

HEAD PROFESSOR HULBERT.

History of the Church from Theodosius to Charles
the Great. M. 1st Term. XXXIV. (3) At 7.30

HEAD PROFESSOR ANDERSON.

Homiletics. DM. XXXV. (16) At 4.00.

ASSISTANT PROFESSOR SIMPSON.

Soteriology. M. 2d Term. XXXIII. (10) At 3.00.
Ethics. DM. XXXIII. At 2.00.

Required of students who have not studied Ethics.

THE DIVINITY SCHOOL.

1. THE GRADUATE DIVINITY SCHOOL.

XXX. SEMITIC LANGUAGES AND LITERATURES.

Detailed statements of class lists. see above under
Nos. VII, XV (2).

XXXI. NEW TESTAMENT LITERATURE AND EXEGESIS.

Detailed statement of class lists, see above under
Nos. VIII, XV (B. 1).

Allen,	Grarup,	Petersen,
Bixon,	Harris,	Rhodes,
Bowen,	Herrick,	Sanders,
Brandsmark,	Horne,	Sanderson,
Bronson,	Howard,	Shatto,
Case,	Jones,	Starkweather,
Chapin,	Lake,	Stewart,
Coon,	Laudahl,	Stucker,
Criswell,	Larsen,]	Ward,
Davies,	Lemon,	Wishart,
Davis,	Lockhart,	Wood, (35)
Goodman,	Noftsinger,	

XXXII. BIBLICAL THEOLOGY.

D. 10-12. (6 Students.)

Theology of the Synoptic Gospels. DM. (1)

HEAD PROFESSOR BURTON.

Bowen,	Grant,	Wood, W. R.,
Chapin,	Petersen,	Woodruff, (6)

The Anglican Church. DM. (20)

HEAD PROFESSOR HULBERT.

(Course not given).

Under the Tudors, A.D. 1509-1603. DM. (27)

HEAD PROFESSOR HULBERT.

(Course not given).

XXXIII. SYSTEMATIC THEOLOGY.

[D. 2-7. (48 Students.)

Introduction and Theology Proper. DM. (1)

HEAD PROFESSOR NORTHRUP.

Allen,	Criswell,	Kinney,
Atteberry,	Davis,	Lemon,
Berglund,	Eakin,	Lockhart,
Bixon,	Fisk,	McKinney,
Beyl,	Frantz,	Rhodes,
Bowen,	Georges,	Rocen,
Bronson,	Goodman,	Sanders,
Case,	Grant,	Wishart,
Chapin,	Hansen,	Wood,
Cressey,	Herrick,	Wyant, (30)

German Reformation. DM. (10)

ASSISTANT PROFESSOR JOHNSON.

Bailey,	Grarup,	Martin,
Bixon,	Hale,	Petersen,
Elliott,	McDonald,	Wheeler, (9)

Prior to Constantine. DM. (1)

ASSISTANT PROFESSOR JOHNSON.

Aitchison,	Fisk,	Morgan,
Anderson,	Fletcher,	Myhrman,
Atchley,	Frantz,	Newcomb,
Beyl,	Georges,	Osborne,
Borsheim,	Grant,	Phillips,
Braker,	Grarup,	Phillips, N. M.,
Bruce,	Hageman,	Proctor,
Brumbaugh,	Howard,	Randall,
Case,	Hurley,	Steelman,
Chalmers,	Ingraham,	Varny,
Cressey,	Kinney,	Watson,
Eakin,	Laudahl,	Wilkins,
Eaton,	McKinney,	Wright, (40)
Eddy,		

Soteriology. DM. (4)

HEAD PROFESSOR NORTHRUP.

Atteberry,	Lake,	Read,
Binder,	Lawrence,	Shatto,
Coon,	Lord,	Steelman,
Ford,	Noftsinger,	Starkweather,
Heyland,	Osborne,	Stevens,
Horne,	Phillips,	Ward, (19)
Jones,		

Apologetics. DM. (2)

ASSISTANT PROFESSOR SIMPSON.

(Course not given).

XXXIV. CHURCH HISTORY.

D. 2-7. (77 Students.)

The English Reformation and Puritanism. DM. (12)

HEAD PROFESSOR HULBERT.

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

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Church Polity and Pastoral Duties. DM. (4)

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McDonald,	Osborn,	Stevens,
Myhrman,	Read,	Thompson,
Nichols,	Robinson,	Vreeland,
Nichols, E. B.,	Schlaman,	Wood,
Noftsinger,	Starkweather,	Wyant, (30)

ENGLISH THEOLOGICAL SCHOOL.**The Books of Samuel and Kings. DM. (2)**

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Boynton,	Jones,	Smith,
Bloomfield,	Lockwood,	Summers,
Carroll,	Lockwood, Mrs.	Troyer,
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Dent,	Mason,	Wheatly,
Dewey,	Morgan,	Witt,
Dexter,	Paul,	Wood, (30)

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(See VII, 31).

DR. KENT.

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Grablachoff,	Mason,	Wheatly,
Gill,	Morgan,	Witt, (24)

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Broomfield,	Jones,	Paul,
Dent,	Lucas,	Smith,
Dexter,	McDonald,	Speicher, (19)
Evans,		

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(See XXX, 4). HEAD PROFESSOR ANDERSON.

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(12 Students.)

Exegesis. The Gospel in Harmony. DM. (3)

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Clint,	Nelson, Sven. A.,	Sandell, (11)
Johnson,	Nelson,	

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Carlson, S. G.,	Nelson, Sven A.,	Olson,
Clint,	Nelson, S. A.,	Sandell, (13)
Johnson,		

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Lindblad,		

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Borsheim,		

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Borsheim,		

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Vol. I, No. 5, July-August, 1893. pp. 433-531.

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Frontispiece: Nathaniel Butler, Jr.—EDITORIAL NOTES.—*University Extension in England*, by James Stuart, M.P.—*The University Extension Movement in America*, by Katharine L. Sharp.—*Aims, Expectations, and University Credits*, by R. D. Roberts.—*The University Extension in its Relation to the Working Classes*, by E. L. S. Horsburgh.—*The Function of the Local Centre*, by George Leland Hunter.—*Household Economics and University Extension*, by Mrs. Charles Kendall Adams.—*Class Instruction in University Extension*, by Charles Zeublin.—BOOK NOTICES.—LOCAL CENTRES AND SECRETARIES IN THE NORTHWEST.

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Frontispiece: Thomas J. Lawrence.—EDITORIAL NOTES. *The Lecture Study and its Functions*, by Dr. Thomas J. Lawrence.—*The Universities and the Workingmen*, by Charles Zeublin.—*Bible Study in the West*, by Dr. Charles F. Kent.—*University Extension in Belgium*, by Emile Waxweiler.—*A Student's Notes*, by Mary H. Welsh.—SAMPLE TICKETS.—LONDON CORRESPONDENCE.—THE WORK AND THE WORKERS.—OXFORD SUMMER MEETING SCHOLARSHIPS.—UNIVERSITY EXTENSION CLASS-WORK AT THE CHICAGO ATHENÆUM.—LOCAL CENTRES AND SECRETARIES IN THE NORTHWEST.

BOOKS ISSUED THROUGH THE UNIVERSITY PRESS.

SYNTAX OF THE MOODS AND TENSES IN NEW TESTAMENT GREEK. By Ernest D. Burton, Head Professor of New Testament Literature and Exegesis in the University of Chicago; formerly Professor of New Testament Interpretation in the Newton Theological Institution. Second Edition, revised and enlarged; cloth; large 12mo, 22 + 215 pages. Price, \$1.50.

The first edition of this book has been in use for several years in Theological Seminaries, and in other schools and colleges in which the Greek Testament is taught. The new edition has been so thoroughly rewritten, and has been so enlarged as to be substantially a new work. Some of its characteristic features are:

1. Recognition of the established results of historical grammar and the statement of New Testament usage in the light of those results.

2. Clear logical classification of the various functions of the several moods and tenses.

3. Discussion of English usage and comparison of it with Greek usage with a view to aiding the student to make an intelligent and correct translation.

4. Emphasis (indicated by style of type) upon those usages which are of special importance, and which the student, therefore, needs to have clearly fixed in mind.

5. Consideration (in smaller type) of some of the more difficult passages of the New Testament, in which the interpretation of the sentence turns largely on the determination of the force of the mood or tense of the verb.

The book will, it is believed, be welcomed as a valuable addition to the apparatus of New Testament exegesis. The author has set himself to do what no

one hitherto has done, namely, to provide an adequate scientific basis for the interpretation of the New Testament Greek verb, its interpretation, that is to say, into English thought and speech. The crucial questions in grammatical exegesis, at least so far as concerns syntax, pertain to the verb. Our best New Testament grammars, notably those of Winer and Buttmann, furnish collections of material rather than thoroughly discriminated principles of translation, besides being far in the rear of linguistic science. It does not require much consulting of commentaries to convince one that there is a general tendency to arbitrary translation, or at least to a dependence upon an exegetical tact by no means sure of its reasons.

Though the new edition is practically a new book, broader in its scope, and enriched with important new material, the main design of the first edition is adhered to. Without attempting exhaustive treatment of any one branch of the subject, or discussing at length all controverted texts, it analyzes the leading functions of the verb, and furnishes a clue by which the student may arrive with some degree of conviction at a reasoned translation.

It is less in the interest of grammatical science, as such, than of interpretation, and in this interest recognizes the fact that the thing of first importance is method. The faithful use of the book can scarcely fail to help to develop in the student an intelligent method of grammatical exegesis.

It is recommended for use in Colleges and Theological Schools, and for private study of the Greek New Testament.

PART II.—ANNOUNCEMENTS.

The University in General.

1. THE WINTER CONVOCATION AND OTHER MEETINGS.

SCHOOL AND COLLEGE CONFERENCE

AT THE UNIVERSITY OF CHICAGO.

SATURDAY, NOVEMBER 18, 1893.

The third Semi-Annual Conference of University and Preparatory School Teachers will be held in the Chapel of the University, Cobb Lecture Hall, on Saturday, November 18, 1893.

The programme is as follows:

MORNING SESSION.

Introductory Address—10 A.M.

HENRY H. DONALDSON, Ph.D., of the University of Chicago.

Abstract of Minutes of the Second Conference,

THE SECRETARY.

The Place of the Natural Sciences in the Preparatory School—10:30–11:15 A.M.

Discussion to be opened by

OTTO DIETRICH, Ph.D., of the Milwaukee Academy.

Modern Language Teaching in Secondary Schools—11:15 A.M.–12:00 M.

Discussion to be opened by

WILLIAM MORTON PAYNE, Associate Editor of *The Dial*, Chicago.

Discussion of Topics selected by the Conference—12:00 M.–12:30 P.M.

AFTERNOON SESSION.

Preparatory Mathematics—2:00–2:45 P.M.

Discussion to be opened by

JOHN J. SCHOBINGER, Principal of the Harvard School, Chicago.

Discussion of Topics selected by the Conference—2:45–4:00 P.M.*

The following list of topics for discussion is suggested:

1. Has the University assigned proper unit value to the various preparatory subjects?

2. What amount of time in the preparatory school should be given to the study of Elementary French and German, and of Advanced French and German?

3. Queries with respect of the scheme for admission to the University.

4. How can the Teacher's guarantee be made most effective?

Between the morning and afternoon sessions the President of the University will give an informal reception and luncheon in the Faculty Room, Cobb Lecture Hall, to Preparatory School Teachers as guests of the University.

November 8, 1893.

AUTUMN MEETING OF THE UNIVERSITY UNION.

The quarterly meeting of the University Union will be postponed from Saturday, November 11, to Saturday, December 9.

ANNOUNCEMENTS FOR THE FIRST WEEK OF THE WINTER QUARTER.

The Opening exercises of Kent Chemical Laboratory,

Monday, January 1, 8:00 to 10:00 P.M. Committee of Arrangements:

Messrs. Nef, Salisbury, Strong, Stratton, Loeb.

Matriculation of Incoming Students,

Tuesday, January 2, 8:30 A.M. to 12:30 P.M.

Informal Meeting of Incoming Students with the University Council,

Tuesday, January 2, 4:00 to 6:00 P.M. Cobb Lecture Hall.

The Winter University Convocation.

Tuesday, January 2, 8:00 P.M., Central Music Hall.

Address by PROFESSOR IRA REMSEN, M.D., PH.D.,
of the Johns Hopkins University, Baltimore,
Maryland.

Committee of Arrangements:

Messrs. G. S. Goodspeed, Stagg, Castle, Grose and
Herrick.

The President's Reception,

Tuesday, January 2, 10:00 P.M., Central Music
Hall.

The Convocation Sermon.

Sunday, January 7, Hyde Park Presbyterian
Church.

THE REVEREND LATHAN A. CRANDALL, D.D.

2. PRIZES AND FELLOWSHIPS.

THE E. G. HIRSCH SEMITIC PRIZE.

Competitors for the *E. G. Hirsch Semitic Prize* of \$150.00, to be awarded each year for the best paper prepared by a student of the University upon a Semitic subject, are notified that the handing in of such papers has been postponed to January 1, 1894.

UNIVERSITY FELLOWSHIPS.

University Fellowships are assigned in accordance with the following terms and conditions:

1. *Twenty Fellowships* are assigned, each yielding the sum of \$520 annually, University fees to be paid out of this sum.
2. *Twenty Fellowships* are assigned, each yielding the sum of \$320 annually, University fees to be paid out of this sum.
3. *Honorary Fellowships*, yielding no income and requiring no service, will be assigned as a mark of distinction in special cases.
4. *The appointment to a Fellowship* is based upon proficiency already obtained in a given department. It is very desirable that the student should have spent at least one year in resident study after receiving his Bachelor's degree. In making the appointment, special weight is given to theses, indicating the candidate's ability to do original investigation.
5. *Service.* In order to cultivate independence on the part of the student, and to obtain for him the advantage which proceeds from practical work, each student on a Fellowship is expected to render assistance of some kind in connection with the work of the University. This assistance consists, for the most part, in service (1) as an instructor, either in Colleges of the University, or in affiliated colleges; but in no case will a student be expected, or allowed, to devote more than one-sixth of his time to such service; (2) as assistant in reading examination papers; or (3) as an assistant on a University Journal.

6. *Outside Work.* During the term of appointment a Fellow may not do outside work for pecuniary compensation without the special permission of the President.

7. *Quarterly Report.* The Fellow makes to the President, at the end of each quarter, a written report, endorsed by the Head or Acting Head of his department indicating (1) the amount and character of the work which he has been called to perform as an officer of the University, and (2) the particular work he has accomplished as a student.

8. *The annual assignment of Fellowships* takes place May 1, and applications must be made on, or before, April 1.

9. *Method of application.* Applications for a Fellowship should be addressed to the President of the University. Such application should be accompanied by

- (1) A brief sketch of the life and work of the applicant.
- (2) A catalogue of the institution from which he has received his Bachelor's degree, with the courses in which he has studied marked.
- (3) Any theses or papers of a scientific character which have been prepared by the applicant, whether printed or otherwise.
- (4) Letters or testimonials from former instructors in regard to the applicant's ability in the particular line in which he applies for a Fellowship.

A blank form of application will be furnished by the Dean of the Graduate School.

DOCTORS' THESES AND EXAMINATIONS FOR ADVANCED COURSES.

Students who are candidates for the higher degrees at the April Convocation will note the following announcements:

1. Students who are candidates for the Doctor's Degree must submit the thesis, the subject of which has already been approved, in written form

- to the Head or Acting Head of the Department, on or before December 23.
2. Students who are candidates for the Master's Degree will submit their thesis in written form on or before February 1.
 3. Students who are candidates for the degree of Bachelor of Divinity must submit their thesis on or before December 23.
 4. In all cases the applicants will present in writing

to the proper dean a statement indicating the date at which they will be prepared to take the final examination.

*CANDIDATES FOR THE DEGREES OF
A.M. OR S.M.*

are notified that January 20, 1894, is the last day for handing in theses for the degrees to be conferred at the April Convocation.

3. *HOLIDAYS AND OTHER SPECIAL DAYS.*

November 30, Thursday, Thanksgiving Day, will be observed as a holiday. Classes resume work on the following day, Friday, December 1.

The Autumn Quarter closes on Saturday, December 23, with a recess from December 24 to 31.

The First Term of the Winter Quarter begins on Monday, January 1, 1894.

4. *REGISTRATION AND EXAMINATIONS FOR ADMISSION.*

November 24, is the last day for handing in registration cards for the Winter Quarter.

Incoming students may register up to Tuesday, January 2, 4:00 P.M.

In addition to the statements concerning examinations for admission, found on pages 14 to 19 of the "CIRCULAR OF INFORMATION" published August 1, 1893, the following points are to be noted:

- (1) Every candidate for admission should present, *at the time of examination*, a testimonial as to character. This is required of all who are admitted to the University, and much inconvenience will be avoided by presenting it at that time.

- (2) The Principal's recommendation referred to in paragraph (5), page 19 of the CIRCULAR OF INFORMATION, must be presented at the time of examination in order to have any weight in determining the candidate's standing.

- (3) Two units in History may be gained by passing examination, in addition to those named on page 15 of the CIRCULAR, on one year's work in Mediaeval and Modern History, or on one major in each of these two branches and a third major in English, German, French or Oriental History, or advanced History of the United States.

5. *QUARTERLY EXAMINATIONS.*

The quarterly examinations for the current Autumn Quarter will be held December 20-22. One half day will be devoted to each exercise, in the order of the daily programme: *i. e.*, the exercise beginning at 8:30 will have its examination December 20, in the forenoon; that of 9:30, December 20, in the afternoon, etc.

Exercises occurring at 4:00 will have the examination time fixed by the instructor.

The hours of morning examinations will be from 9 to 12, of afternoon examinations from 2 to 5.

During the examinations, the usual lectures and recitations will be suspended.

The University Proper.

COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

OCTOBER 1, 1893, TO OCTOBER 1, 1894.

ANNOUNCEMENTS FOR THE GRADUATE SCHOOL AND THE UNIVERSITY COLLEGES OF ARTS AND LITERATURE.

NOTE.—The following is a list of the titles of courses to be given in the University from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES. The number of each course in the REGISTER is indicated by the number in parenthesis following the title of the course.

The hour of the exercise is indicated after each course. In case no hour is indicated it will be arranged when the class is formed. The days on which exercises are held will be designated by the instructor.

Courses marked by a star are intended exclusively or primarily for Graduate Students.

Fuller Announcements for the Summer Quarter (1894) will be made in later Calendars.

Abbreviations: A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered. K=Kent Chemical Laboratory, R=Ryerson Physical Laboratory, W=Walker Museum, S=Science Hall.

The abbreviations used in the descriptions of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Winter Quarter on or before November 24; the registration card may be obtained from the Dean. The student will, (1) write upon the card the titles and numbers of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before November 24.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before January 2, 1894. Registration after this date may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

I. A. PHILOSOPHY.

K. and C 13-17.

Autumn Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Logic. DM. (1) At 3:00
* Advanced Psychology. DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. DM. (4) At 10:30
* Seminar: The Philosophy of Kant. DM. (7) At 11:30
Prerequisite: course 6.

DR. MONIN.

* History of Education. DM. (15) At 4:00

DR. MEZES.

* Advanced Ethics. DM. (12) At 3:00

Winter Quarter. Revised.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Psychology. DM. (2) At 3:00
* Advanced Psychology. DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. DM. (4) At 10:30
* Seminar: The Philosophy of Kant. DM. (7) At 11:30
Prerequisite: course 6.

DR. MONIN.

* Theory of Education. D.M. (13) At 4:00

DR. MEZES.

* Schopenhauer and Hartmann. DM. (5) At 10:30

Spring Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Philosophy. DM. (3) At 3:00

*Advanced Psychology. DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

1st Term. M. (4a) This course forms the conclusion of the General History of Philosophy, but it may be taken separately by those who have had courses 1-3. At 10:30

*Advanced Logic and Theory of Knowledge. DM. 1st Term (11) This course is designed to follow the courses of the Autumn and Winter Quarters on the Philosophy of Kant. At 11:30

DR. MONIN.

*Educational Methods. DM. (14) At 4:00

DR. MEZES.

*Mill and Spencer. DM. (9) At 10:30

Summer Quarter.

ASSISTANT PROFESSOR TUFTS.

Psychology. DM. (2a) At 10:30

History of Modern Philosophy. DM. (4b) At 11:30

DR. MONIN.

*History of Education. DM. (15) At 4:00

I. B. APOLOGETICS AND CHRISTIAN ETHICS.

C 17.

Autumn Quarter.

PROFESSOR ROBINSON.

Apologetics and Christian Evidences. DMM. (1) At 11:30. (The other hour to be arranged.)

Winter Quarter. Revised.

PROFESSOR ROBINSON.

Ethics. M. 1st Term. (2) At 10:30

Advanced Ethics. M. 2d Term. (3) At 10:30

II. POLITICAL ECONOMY.

C 3-8.

Autumn Quarter.

HEAD PROFESSOR LAUGHLIN.

*Economic Seminar. DM. (19) At 3:00

Money and Practical Economics. DM. (9) At 11:30

PROFESSOR A. C. MILLER.

Finance. DM. (15) At 3:00

Principles of Political Economy. DM. (1) At 8:30

MR. HILL.

Railway Transportation. DM. (12) At 2:00

DR. VEBLEN.

American Agriculture. DM. (16) At 10:30

DR. HOURWICH.

Statistics. DM. (10) At 9:30

Winter Quarter.

HEAD PROFESSOR LAUGHLIN.

*Economic Seminar. DM. (19) At 3:00

Money and Practical Economics. DM. (9) At 11:30

PROFESSOR A. C. MILLER.

*Seminar in Finance. DM. (18). At 4:00

Advanced Political Economy. DM. (1A) At 8:30

MR. CALDWELL.

History of Political Economy. DM. (5) At 10:30

Descriptive Political Economy. DM. (1B) At 8:30

MR. HILL.

Industrial and Economic History. DM. (2) At 9:30

Railway Transportation. DM. (12) At 2:00

DR. VEBLEN.

Socialism. DM. (7) At 10:30

DR. HOURWICH.

Advanced Statistics. DM. (11) At 9:30

Spring Quarter.

HEAD PROFESSOR LAUGHLIN.

*Economic Seminar. DM. (19) At 3:00

Unsettled Problems of Economic Theory. DM. (4) At 11:30

PROFESSOR MILLER.

*Seminar in Finance. DM. (18) At 4:00

Financial History of the United States. DM. (14) At 11:30

ASSOCIATE PROFESSOR BEMIS.

Social Economics. DM. (8B) At 2:00

MR. CALDWELL.

Scope and Method of Political Economy. DM. (3) At 8:30

History of Political Economy. DM. (5) At 10:30

MR. HILL.

Industrial and Economic History. DM. (2) At 9:30

Tariff History of the United States. DM. (13) At 2:00

DR. VEBLEN.

Socialism. DM. (7) At 10:30

Summer Quarter.

PROFESSOR MILLER.

Economic History of the United States. DM. (14A) At 8:30

MR. CALDWELL.

Economic Factors in Civilization. DM. (6) At 9:30
 Social Economics. DM. (8A) At 10:30

III. POLITICAL SCIENCE.

C 9, 10-12.

Autumn Quarter.

PROFESSOR JUDSON.

*Seminar in Politics. DM. (1)
 From 4:00 to 6:00 on Tuesdays

*Comparative Politics. DM. (2) At 9:30

PROFESSOR LAWRENCE.

International Law. DM. (7) At 11:30

MR. CONGER.

Anthropo-Geography. DM. (14) At 2:00

MR. WILCOX.

Civil Government in the United States. Preliminary course. DM. (12) At 11:30

Winter Quarter. Revised.

PROFESSOR JUDSON.

*Seminar in Politics. DM. (1)
 From 4:00 to 6:00 on Tuesdays
 *Comparative Politics. DM. (3) At 9:30
 American Constitutional Law. DM. (5) At 10:30
 Course 5 should be preceded by course 12.

PROFESSOR LAWRENCE.

International Law. DM. (8) At 11:30

MISS WALLACE.

Spanish-American Institutions. DM. (13) At 11:30

MR. CONGER.

Anthropo-Geography. DM. (15) At 10:30

Spring Quarter.

PROFESSOR JUDSON.

*Seminar in Politics. DM. (1)
 From 4:00 to 6:00 on Tuesdays

Research, preparatory to 2d Term courses, under the direction of the Professor. M. 1st Term. (11)

The Elements of Political Science. M. 2d Term. (6) To be preceded by Courses 12, 15, and 11 At 10:30

*Comparative Politics. M. 2d Term. (4) At 9:30

PROFESSOR LAWRENCE.

International Law. DM. (9) At 11:30

MR. CONGER.

Anthropo-Geography. DM. (16) At 10:30

Summer Quarter.

PROFESSOR JUDSON.

*Seminar in Politics. DM. (1)
 Comparative Politics. DM. (10) At 9:30

MR. CONGER.

Anthropo-Geography. DM. (17) At 10:30

NOTES.—1. Courses 7, 8, and 9 should be taken in that order.

2. Courses in Roman Law, Modern Jurisprudence, and Administrative Law will be offered in 1894-5.

IV. HISTORY.

C 5-8.

Autumn Quarter.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American, Political, and Constitutional History. DM. (34) At 4:00

History of the French Revolution and the Napoleonic Era. DM. (19) At 3:00

PROFESSOR TERRY.

The Decline of Rome and the Dissolution of the Ancient Classical Civilization. DM. (10) At 2:00

*Seminar: Early German Institutions. DM. (30)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity to the Persian Empire. MM. 1st Term (or DM). (1) At 4:00

DR. SCHWILL.

The Protestant Reformation and the Religious Wars. DM. (38) At 10:30

DR. SHEPARDSON.

Territorial Growth of the United States. DM. (22) At 11:30

Winter Quarter. Revised.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American History. DM. (34) At 4:00

The French Revolution and the Napoleonic Era. DM. (19) At 3:00

PROFESSOR TERRY.

*Seminar: Early English Institutions. DM. (31)

The First Attempt to Reorganize Barbaric Society in Europe under Roman Forms. DM. (11) At 8:30

ASSOCIATE PROFESSOR GOODSPEED.

Post Exilic Biblical History from the Exile to the Christian Era. M. 1st Term. (2a) At 4:00

The Early Christian History in its Relation to the Graeco-Roman World. M. 2d Term. (2b) At 4:00

DR. SCHWILL.

The French Revolution and the Era of Napoleon.
DM. (39) At 10:30

DR. SHEPARDSON.

Social Life in the American Colonies. DM. (23)
At 11:30

Spring Quarter.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American History. DM. (34) At 4:00

The French Revolution and the Napoleonic Era.
DM. (19) At 3:00

PROFESSOR TERRY.

The Second Attempt to Reorganize Barbaric Society in Europe under Roman Forms. DM. (12) At 8:30

*Seminar: Later English Institutions. DM. (32)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Egypt. M. 1st Term. (3a) At 4:00

The History of Babylonia and Assyria. M. 2d Term. (3b) At 4:00

The History of Greece to the death of Alexander.
DM. (4) At 3:00

DR. SCHWILL.

Seminar: Topics from Italian History. DM. (13)
At 10:30

DR. SHEPARDSON.

Outline History of the United States. DM. (40)
At 11:30

Summer Quarter.

PROFESSOR TERRY.

*Seminar: Early German History. DM. (33)
The Great Migrations. DM. (15) At 8:30

ASSOCIATE PROFESSOR GOODSPEED.

The Relations of Hebrew and Egyptian History.
1st Term. M. (5a) At 4:00

The Relations of Hebrew and Babylonian-Assyrian History. M. 2d Term. (5b) At 4:00

ASSISTANT PROFESSOR THATCHER.

The History of Mohammedanism to the end of the Crusades. DM. (14) At 10:30

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

C 2, 10-12.

Autumn Quarter.

HEAD PROFESSOR SMALL.

*Seminar: The Psychology, Ethics and Sociology of Socialism. 3DM. (23)

*The Province of Sociology and its relation to the Special Social Sciences. DM. (24) At 8:30

*Problems of Social Statics. DM. (27) At 9:30

ASSISTANT PROFESSOR HENDERSON.

*Seminar: Social Organizations for Promoting Social Welfare. DM. (14)

Social Institutions of Organized Christianity.
M. (or MM.) 1st Term. (15) At 2:00

Social Treatment of Dependents and Defectives.
M. (or MM.) 2d Term. (16) At 2:00

ASSISTANT PROFESSOR TALBOT.

Seminar in Sanitary Science. DM. (10)

House Sanitation. DM. (11) At 11:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1)

Physical Anthropology. Laboratory Work. DM. (2)

Physical Anthropology. Elementary Course. DM. (9) At 11:30

DR. WEST.

Applied Anthropology. DMM. (3) At 3:00

Winter Quarter. Revised.

HEAD PROFESSOR SMALL.

*Seminar: The Psychology, Ethics, and Sociology of Socialism. 3DM. (23)

*Social Psychology. DM. (25) At 8:30

*Problems of Social Statics. DM. (27) At 9:30

ASSISTANT PROFESSOR HENDERSON.

*Seminar: Social Organizations for Promoting Social Welfare. DM. (14)

Criminology. DM. (or MM.) (17) At 2:00

ASSISTANT PROFESSOR TALBOT.

Seminar in Sanitary Science. DM. (10)

Sanitary Aspects of Water, Food, and Clothing.
DM. (12) At 10:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1)

Physical Anthropology. Laboratory Work. DM. (2)

Ethnology. DMM. (7) At 11:30

DR. WEST.

Applied Anthropology. DMM. (3) At 3:00

Spring Quarter.

HEAD PROFESSOR SMALL.

*Seminar: The Psychology, Ethics, and Sociology of Socialism. 3DM. (23)

*The Organic Functions of the State and of Government. DM. (26) At 8:30

*Problems of Social Statics. DM. (27) At 9:30

The Sociology of the New Testament. M. 1st Term. (29)

ASSISTANT PROFESSOR HENDERSON.

*Seminar; Social Organizations for Promoting Social Welfare. DM. (14)

The Family. M. (or MM.) 1st Term. (18) At 2:00

Non-Political and Non-Economical Social Institutions. M. (or MM.) 2d Term. (19) At 2:00

ASSISTANT PROFESSOR TALBOT.

Seminar in Sanitary Science. DM. (10).

The Economy of Living. DM. (12a) At 10:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1)

Physical Anthropology. Laboratory Work. DM. (2)

Prehistoric Archæology. DM. (8) At 11:30

ASSOCIATE PROFESSOR BEMIS.

Legislation, and some other Phases of State Activity on behalf of Labor. DM. (21)

At 10:30

DR. WEST.

Applied Anthropology. DMM. (3) At 3:00

Summer Quarter.

HEAD PROFESSOR SMALL.

*The Methodology and Bibliography of Social Science. M. 1st Term. (22) At 9:30

*The Province of Sociology and its Relation to the Special Social Sciences. MM. 1st Term. (24) At 8:30 and 3:00

ASSISTANT PROFESSOR HENDERSON.

Methods of Promoting Social Welfare by Voluntary Organizations. MM. 2d Term. (20)

At 8:30 and 3:00

Course 26 forms Part II of the system of Social Philosophy introduced by courses 24 and 25. Course 26 may be taken by students who are suitably prepared without course 24 and 25, or students who wish to make Social Science their principal subject, may combine courses 24, 25, and 26, as three double Majors.

Courses 24 and 25 will be required of all candidates for the degree of Doctor of Philosophy who present Social Science either as primary or secondary subject.

ASSOCIATE PROFESSOR BEMIS.

Legislation and some other Phases of State Activity on behalf of Labor. D.M. (21)

DR. THOMAS.

The Historical Sociologies. D.M. (30)

VI. COMPARATIVE RELIGION.

D 16.

Autumn Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Indian Religions. DM. (1) At 3:00

Winter Quarter. Revised.

ASSOCIATE PROFESSOR GOODSPEED.

The Religions of China and Non-Civilized Peoples. DM. (2) At 3:00

Spring Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Religions of Greece, Rome, and Northern Europe. DM. (3) At 3:00

Summer Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Islam. DM. (4) At 3:30

VII. SEMITIC LANGUAGES AND LITERATURES.

D 12-16.

Autumn Quarter.

HEAD PROFESSOR HARPER.

Later Suras of the Kuran. DMM. or DM. (65) At 8:30 and 9:30

Hexateuchal Analysis. DM. (55) At 8:30

PROFESSOR HIRSCH.

Introduction to Talmudic Literature. M. 1st Term. (34) At 2:00

Job. M. 1st Term. (40) At 3:00

Reading of Selected Portions of the Babylonian Talmud. M. 2d Term. (37) At 2:00

Introduction to the Textual Criticism of the Old Testament. M. 2d Term. (38) At 3:00

ASSOCIATE PROFESSOR PRICE.

Special Introduction. DM. (30) At 4:00

Bilingual Babylonian Psalm Literature. M. 2d Term. (77) At 3:00

Earliest Unilingual Cuneiform Inscriptions. M. 1st Term. (78) At 3:00

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity. DM or MM. (IV.1) At 4:00

DR. CRANDALL.

Sight Translation in Hebrew. DM. (8) At 9:30

DR. KENT.

Old Testament Wisdom Literature. DM. (31) At 10:30

Winter Quarter. Revised.

HEAD PROFESSOR HARPER.

Arabic Poetry and Inscriptions. DM. (68) At 9:30

Hebrew Language. DM. (1) At 8:30

PROFESSOR HIRSCH.

Abodah Zarah. M. 1st Term. (48) At 2:00

Selected Portions of the Mishna. M. 1st Term. (43) At 3:00

Coptic. M. 2d Term. (44) At 2:00

New Testament and Talmudic Analogies. M. 2d Term. (46)

ASSOCIATE PROFESSOR PRICE.

Jeremiah. M. 1st Term. (21) At 3:00

Isaiah, Chapters XL-LXVI. M. 2d Term. (23) At 3:00

Biblical Aramaic. DM. (80) At 4:00

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History, from the Exile to the Christian Era. M. 1st Term. (IV. 2a.) At 4:00

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. MM. 1st Term. (69) At 10:30 and 3:00

Advanced Assyrian. MM. 2d Term. (71) At 10:30 and 3:00

Beginning Syriac. DM. (88) At 11:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (4) At 9:30

DR. KENT.

Apocryphal Wisdom Literature. DM. (32) At 10:30

Spring Quarter.

HEAD PROFESSOR HARPER.

The Three Legal Codes. MM. 1st Term. (13) At 7:30 and 8:30

Phœnician. M. 1st Term. (91) At 9:30

Comparative Semitic Grammar. M. 2d Term. (94) At 9:30

Old Testament Legal Literature. MM. 2d Term. (27) At 7:30 and 8:30

PROFESSOR HIRSCH.

Genesis with Targum. M. 1st Term. (82) At 2:00

Arabic: Thousand and One Nights. M. 1st Term (66)

Maimonides' "Guide" in Arabic Hebrew. M. 2d Term. (51) At 2:00

Advanced Syriac. M. 2d Term. (50) At 3:00

ASSOCIATE PROFESSOR PRICE.

Isaiah. Chapters I-XXXIX. (English). M. 1st Term. (XV. A. 1) At 11:30

Modern Discoveries and the Old Testament. M. 1st Term. (56) At 11:30

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. M. 2d Term. (IV. 3b) At 4:00

ASSOCIATE PROFESSOR HARPER.

Assyrian and Babylonian Life. M. 1st Term. (59) At 9:30

Assyrian Letters. M. 1st Term. (75) At 10:30

Mesopotamian Geography. M. 2d Term. (61) At 9:30

Babylonian Contracts. M. 2d Term. (76) At 10:30

Early Historical Inscriptions. DM. (72) At 10:30

DR. CRANDALL.

Sight Translation in Hebrew. M. 1st Term. (9) At 9:30

The Books of Samuel. M. 2d Term. (6) At 9:30

DR. KENT.

Outline of Biblical History. DM.

Minor Prophets of the Assyrian Period. M. 1st Term.

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period. M. 2d Term. (11) At 7:30

The Arabic Language. M. 2d Term. (63) At 8:30

Advanced Hebrew Grammar. M. 2d Term. (97) At 9:30

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (3) At 8:30 and 3:00

Ezekiel. (English.) M. 1st Term. (XV. A. 3) At 2:00

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonian History. M. 2d Term. (IV. 5b) At 10:30

The Relations of Hebrew and Egyptian History. M. 1st Term. (IV. 5a) At 4:00

Islam. DM. (VI. 4) At 3:00

ASSOCIATE PROFESSOR HARPER.

Assyrian Language. MM. (70) At 9:30

Advanced Assyrian. MM. (71) At 8:30 and 3:00

The Book of Proverbs. M. 1st Term. (17) At 10:30

Micah. M. 2d Term. (14) At 10:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5) At 9:30

VIII. BIBLICAL AND PATRISTIC GREEK.

D 10-12.

Autumn Quarter.

DR. ARNOLT.

Patristic Greek. Justin Martyr; Teaching of the Apostles; Gospel and Revelation of Peter. DM. (Special course). At 7:30

MR. ROOT.

Rapid Reading in Hellenistic Greek. DM. (4) At 2:00

MR. VOTAW.

Paul's Corinthian Epistles. M. 2d Term. (14) At 9:30

Winter Quarter. Revised.

DR. KENT.

The Apocryphal Wisdom Literature. DM. (VII, 32) At 10:30

DR. ARNOLT.

History of the Problem of the Synoptic Gospels, and of the Historical Criticism of the Fourth Gospel. DM. (25) At 8:30

Spring Quarter.

MR. ROOT.

Rapid Translation of Portions of the Greek Text of the New Testament. M. 1st Term. (3) At 2:00

MR. VOTAW.

New Testament Greek. M. 1st Term. (2) At 9:30

Sources and Relations of the Four Gospels. M. 2d Term. (20) At 9:30

DR. ARNOLT.

The Origin of the Septuagint; Translation of the Septuagint Version of Psalms. DM. (26) At 8:30

Summer Quarter.

DR. ARNOLT.

Studies in the Apostolic Fathers. M. 2d Term. (6)

MR. VOTAW.

The Distinctive Features of the Fourth Gospel. M. 2d Term. (21) At 9:30

See also courses 1, 7, 8, 9, 15, 16, 22, 23, in New Testament Literature and Exegesis in the Graduate Divinity School, which are open to students of the University Colleges and Graduate School.

IX. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B 2-8.

Autumn Quarter.

ASSISTANT PROFESSOR BUCK.

*Sanskrit, for Beginners. DM. (2) At 10:30

*Comparative Grammar of the Latin Language. DM. (4) At 9:30

Winter Quarter. Revised.

ASSISTANT PROFESSOR BUCK.

*Sanskrit (continued). DM. (2) At 10:30

*Seminar. DM. (5)

Spring Quarter.

ASSISTANT PROFESSOR BUCK.

*Sanskrit (continued). DM. (2) At 10:30

*Avestan (Zend). DM. (6)

Summer Quarter.

ASSISTANT PROFESSOR BUCK.

Sanskrit, for Beginners. With a general introduction to the Study of Indo-European Comparative Philology. DMM. (10) At 11:30

X. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

PROFESSOR SHOREY.

Homer. Open to Academic College students who have completed two or three Majors of Greek with credit. DM. (7) At 10:30

*Seminar: The History of Ancient Philosophy. DM. (20)

*Literary Criticism and Rhetoric of the Ancients. DM. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

Greek Lyric Poets. Selections. Theocritus. Selections. DM. (8) At 10:30

Winter Quarter. Revised.

PROFESSOR SHOREY.

*Seminar: The History of Ancient Philosophy. DM. (20)

*Literary Criticism and Rhetoric of the Ancients. DM. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

Demosthenes (Philippics and Olynthiacs). DM. (6) Open to Academic College students who have completed one or more Majors with credit.

Introduction to Classical Archæology. DM. (16) At 10:30

ASSISTANT PROFESSOR CASTLE.

Demosthenes and Æschines. DM. (9) At 9:30

Selected Plays of Sophocles and Euripides. DM. (14) At 10:30

Spring Quarter.

PROFESSOR SHOREY.

Introduction to Study of the Greek Drama. Open to students in the Academic Colleges who have completed two or three Majors with credit. DM. (17) At 10:30

***Seminar: The History of Ancient Philosophy.** DM. (20)

***Literary Criticism and Rhetoric of the Ancients.** M. 1st Term. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

Classical Archæology. DM. (19) Second course. Open only to students who have elected course (16). At 10:30

Summer Quarter.

PROFESSOR SHOREY.

Æschylus (Oresteia). M. 1st term. (12) At 10:30
Teachers' Course. M. 1st Term. (23) At 11:30

ASSISTANT PROFESSOR CASTLE.

Readings and Studies in the Odyssey. M. 2d Term. (10) At 10:30
Demosthenes as an Orator and a Man. M. 2d Term. (11) At 11:30

A Greek Reading Club meets once a week from October to June, intended primarily for undergraduates who wish to keep up their knowledge of Greek in the interval between their regular collegiate courses.

XI. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

HEAD PROFESSOR HALE.

***Pliny the Younger.** DM. (22) At 9:30
***Seminar 3: The Comparative Syntax of the Greek and Latin Verb.** DM. (43)

PROFESSOR CHANDLER.

Lucretius. DM. (11) At 8:30
Roman History from the Sources; The Conspiracy of Catiline. DM. (30) At 10:30

ASSOCIATE PROFESSOR ABBOTT.

***Introduction to Latin Palæography.** DM. (37) At 11:30
***Seminar 1: Colloquial Latin.** DM. (41)

Winter Quarter. Revised.

HEAD PROFESSOR HALE.

***Juvenal.** DM. (24) At 9:30

***Seminar 3: Comparative Syntax of the Greek and Latin Verb.** DM. (43)

ASSOCIATE PROFESSOR ABBOTT.

Cicero's Letters. DM. (13) At 11:30

***Seminar 1: Colloquial Latin.** DM. (41)

ASSOCIATE PROFESSOR TARBELL (of the Greek Department.)

Introduction to Classical Archæology. DM. (32) At 10:30

This course is the same as X, 16.

Spring Quarter.

HEAD PROFESSOR HALE.

Teachers' Training Course. DM. (40) At 9:30

***Seminar 3: Comparative Syntax of the Greek and Latin Verb.** DM. (43)

PROFESSOR CHANDLER.

Latin Hymns; Latin Prose of the Christian Church. DM. (26) At 8:30

The Development of Roman Oratory. DM. (28) At 10:30

ASSOCIATE PROFESSOR ABBOTT.

Roman Administration. DM. (33) At 11:30

***Seminar 1: Colloquial Latin.** DM. (41)

Summer Quarter.

PROFESSOR CHANDLER.

The Epistles of Horace. DM. (17) At 8:30

The Georgics of Virgil. M. 1st Term. (15) At 10:30

Tibullus and Propertius. M. 2d Term. (18) At 10:30

ASSOCIATE PROFESSOR ABBOTT.

Allen's Remnants of Early Latin. M. 1st Term. (35) At 9:30

Persius. M. 1st Term. (19) At 11:30

XII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Autumn Quarter.

HEAD PROFESSOR KNAPP.

***Old French.** DM. (1) At 9:30

***Old Spanish.** DM. (5) At 10:30

ASSISTANT PROFESSOR BERGERON.

French Literature of the Nineteenth Century. DM. (13) At 9:30

Rapid Reading in Modern French. DMM. (14) At 8:30 and 3:00

French Phonetics. DM. (20) At 10:30

MR. _____

Italian Grammar. M. 1st Term. (21) At 11:30

Italian Prose. M. 2d Term. (22) At 11:30

MISS WALLACE.

Spanish. DM. (9) At 9:30

Winter Quarter. Revised.

HEAD PROFESSOR KNAPP.

*Old French. DM. (2) At 9:30

*Old Spanish. DM. (6) At 10:30

ASSISTANT PROFESSOR BERGERON.

French Literature of the XIX Century (Continued).
DM. (13 b) At 9:30Special Course of Conversation. DMM. (15)
At 8:30 and 3:00

French Phonetics. DM. (20) At 10:30

MR. _____

Italian Drama. M. 1st Term. (24) At 10:30

Italian Comedy. M. 2d term. (25) At 10:30

MISS WALLACE.

Spanish. DM. (10) At 9:30

Spring Quarter.

HEAD PROFESSOR KNAPP.

*Old French. DM. (3) At 9:30

*Old Spanish. DM. (7) At 10:30

ASSISTANT PROFESSOR BERGERON.

Advanced Course in Syntax (French). DM. (16)
At 9:30

French Phonetics. DM. (17) At 10:30

MR. _____

Italian Prose. M. 1st Term. (26) At 10:30

Italian Grammar. M. 2d Term. (27) At 10:30

MISS WALLACE.

Spanish. DM. (11) At 9:30

Summer Quarter.

HEAD PROFESSOR KNAPP.

*Old French. DM. (4) At 9:30

*Old Spanish. DM. (8) At 10:30

ASSISTANT PROFESSOR BERGERON.

French: Nineteenth Century Literature. DM. (12)
At 9:30

French: Conversation. DM. (17) At 10:30

DR. KINNEY.

French Literature of the Seventeenth Century.
M. 1st Term. (21) At 2:00

MR. _____

Italian Grammar. M. 1st Term. (26) At 3:00

MISS WALLACE.

Knapp's Spanish Grammar. M. 1st Term. (9)
At 8:30

Advanced Spanish Reading. DM. (12) At 9:30

XIII. GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

*Germanic Seminar: Courses 1-10, inclusive, constitute the work of the first section of the Germanic Seminar; the second section meets weekly through Autumn, Winter, and Spring Quarters for the reading and discussion of original papers by members of the Seminar and of reports upon subjects connected with the work of the first section.

Autumn Quarter.

ASSISTANT PROFESSOR CUTTING.

*Faust. DM. (1) At 2:00

Lessing as a Dramatist. DM. (14) At 9:30

DR. SCHMIDT-WARTENBURG.

*Comparative German Grammar. DM. (8) At 4:00

*Gothic. DM. (3) At 11:30

DR. V. KLENZE.

Outline History of German Literature. DM. (16)
At 11:30*Winter Quarter. Revised.*

ASSISTANT PROFESSOR CUTTING.

*Faust. DM. (1) At 2:00

DR. SCHMIDT-WARTENBURG.

*Old High German (Introductory). DM. (4) At 3:00

*Middle High German (Advanced). DM. (9) At 4:00

MR. MULFINGER.

German Prose Composition. DM. (20) At 9:30

Spring Quarter.

DR. SCHMIDT-WARTENBURG.

*Introduction to Phonetics. M. 2d Term. (7) At 3:00

Old High German. M. 1st Term. (10) At 3:00

Heine's Prose and Poetry. DM. (18) At 4:00

DR. VON KLENZE.

*Goethe's Life. DM. (2) At 3:00

German Ballads. DM. (17) At 2:00

MR. WOOD.

Early Nineteenth Century Prose. DM. (19) At 10:30

Summer Quarter.

ASSISTANT PROFESSOR CUTTING.

- *Middle High German. DM. (5) At 2:00
 Schiller's Wallenstein. DM. (15) At 9:30

DR. VON KLENZE.

- *Gothic. DM. (3) At 3:00

AUXILIARY COURSES.

For graduate students in departments other than Germanic.

DR. SCHMIDT-WARTENBERG.

- *Scientific Reading. Subjects connected with Biological Sciences. DM. Winter Quarter. (26) At 10:30

DR. VON KLENZE.

- *Scientific Reading. Subjects connected with Social Sciences. DM. Autumn Quarter. (25) At 10:30

- *Scientific Reading. Subjects connected with Physical Sciences. DM. Summer Quarter. (27) At 10:30

XIV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

K.

Autumn Quarter.

PROFESSOR WILKINSON.

- Poetics. DM. (9) At 10:30
 Sentences. M. 1st Term. (7) At 11:30
 History and Fiction. M. 2d Term. (8) At 11:30

ASSISTANT PROFESSOR BLACKBURN.

- *Old English. DM. (27) At 2:00
 *Old English Seminar. DM. (28)
 Old English Elementary Course. DM. (23) At 3:00

ASSISTANT PROFESSOR CROW.

- English Literature of the Elizabethan Period. DM. (14) At 2:00
 *English Literature Seminar. Studies in Elizabethan Literature. DM. (36) At 10:30

ASSISTANT PROFESSOR MCCLINTOCK.

- Milton. DM. (16) At 3:00
 *English Literature Seminar. The beginnings of the Romantic Movement of the Eighteenth Century; Studies in English Literature from 1725-1775. DM. (33) At 4:00

MR. HERRICK.

- Advanced English Composition. DM. (5) At 10:30

MR. TRIGGS.

- English Literature of the Nineteenth Century. DM. (20) At 11:30

Winter Quarter. Revised.

PROFESSOR MOULTON.

- Ancient Tragedy for English Readers. DM. (12) At 10:30

ASSISTANT PROFESSOR BLACKBURN.

- Old English. Elementary Course (continued). DM. (24) At 3:00
 Middle English. DM. (26) At 2:00
 *Old English Seminar. DM. (28)

ASSISTANT PROFESSOR CROW.

- The Sources of Shakespeare's Plays. DM. (40) At 2:00
 *English Literature Seminar. Studies in Elizabethan Literature. DM. (36) At 10:30

ASSISTANT PROFESSOR MCCLINTOCK.

- The Development of the English Novel from Richardson to George Eliot. DM. (17) At 3:00

- *Works of William Wordsworth. DM. (32) At 4:00

ASSISTANT PROFESSOR TOLMAN.

- English Epic Poetry. DM. (37) At 10:30

MESSRS. HERRICK AND LOVETT.

- Development of English Prose Style. DM. (6) At 10:30

MESSRS. LOVETT, HILL, AND CLARK.

- Oral Debates. DM. (4)

[See also Department of Political Economy and Programme of English Department].

MR. TRIGGS.

- English Literature of the Nineteenth Century. The Poetry of Tennyson and Arnold. DM. (21) At 11:30

Spring Quarter.

PROFESSOR MOULTON.

- Tragedy in the Shakesperian Drama. DM. (13) At 10:30

ASSOCIATE PROFESSOR BUTLER.

- English Essayists of the Nineteenth Century. DM. (38) At 9:30

ASSISTANT PROFESSOR BLACKBURN.

- Old English. Elementary Course (continued). DM. (25) At 3:00
 *Old English Seminar. DM. (28)
 *Old English Literature. DM. (29) At 2:00

ASSISTANT PROFESSOR CROW.

- History and Principles of English Versification. DM. (11) At 2:00

- *English Literature Seminar. Studies in Elizabethan Literature. DM. (36) At 10:30

ASSISTANT PROFESSOR TOLMAN.

- *Studies in the Origins of Shakespeare's Plays.
DM. (31) At 10:30

MR. HERRICK.

- Advanced English Composition. DM. (5) At 10:30

MR. LOVETT.

- Argumentative Composition. DM. (3) At 8:30
Prerequisites: (1 A) and (1 B.)

MR. TRIGGS.

- English Literature of the Nineteenth Century.
Emerson, Thoreau, Lowell, and Whitman.
DM. (22) At 11:30

MR. CARPENTER.

- The Poetry of Spenser. DM. (35) At 9:30

Summer Quarter.

ASSISTANT PROFESSOR BLACKBURN.

- Old English. Elementary Course. DM. (23) At 3:00
Middle English. DM. (26) At 2:00

ASSISTANT PROFESSOR McCLINTOCK.

- The Elements of Literature. DM. (19) At 9:30
*English Literary Criticism. DM. (34) At 10:30

MR. HERRICK.

- Daily Themes, a course of Advanced English Composition. DM. (7) At 8:30

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Autumn Quarter.

MR. VOTAW.

- Jewish Literature of the Maccabean and Primitive Periods. M. 1st Term. (B, 13) At 9:30

Winter Quarter. Revised.

MR. ROOT.

- The Teaching of Christ in the Synoptic Gospels.
M. 1st Term. (B, 8) At 2:00
The Teaching of Christ in the Fourth Gospel.
M. 2d Term. (B, 9) At 2:00

MR. VOTAW.

- The Life of the Apostle Peter. M. 1st Term.
(B, 11) At 11:30
The Writings of the Apostle Peter. M. 2d Term.
(B, 12) At 11:30

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

- Isaiah, Chapters i-xxxix. M. 1st Term. (A, 1) At 10:30

MR. ROOT.

- Parties and Controversies in the Apostolic Age.
M. 2d Term. (B, 10) At 2:00

Summer Quarter.

ASSOCIATE PROFESSOR PRICE.

- Ezekiel. M. 2d Term. (A, 3) At 10:30

See Courses in Biblical Literature in English in the Graduate Divinity School, which are open to Students of the Graduate School and University Colleges.

ANNOUNCEMENTS FOR THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NOTE.—The following is a list of the titles of courses to be given in the Ogden (Graduate) School of Science from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES. The number of the course in THE REGISTER is indicated by the number in parenthesis following the title of the course.

Courses marked by a star are intended exclusively or primarily for Graduate Students.

REGISTRATION.—Students in residence must register for the Winter Quarter on or before November 24; the registration card may be obtained from the Dean. The student will, (1) write upon the card the titles and numbers of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before November 24.

Students entering the University for the first time or resuming work after an absence of a Quarter or Term must register on or before January 2, 1894. Registration after this date may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

XVI. MATHEMATICS.

R.

*The Mathematical Club and Seminar. A fortnightly meeting continuing throughout the year, for the review of memoirs and books, and for the presentation of the results of research, open to all graduate students in mathematics; with the coöperation of the members of the Mathematical Faculty, under the presidency of Professor Moore.

Autumn Quarter.

PROFESSOR MOORE.

*Theory of Functions of a Complex Variable. DM. (16) At 8:30
Prerequisites: Differential and Integral Calculus and Theory of Equations.

ASSOCIATE PROFESSOR BOLZA.

Advanced Integral Calculus. DM. (7) At 8:30
*Hyperelliptic Functions. D M. (21) At 9:30
Prerequisites: Differential and Integral Calculus and Theory of Functions.

ASSISTANT PROFESSOR MASCHKE.

Theory of Surfaces. DM. (8) At 10:30
Prerequisites: Analytic Geometry and Differential Calculus.
Analytic Mechanics. DM. (12) At 9:30
Prerequisites: Analytic Geometry and Differential and Integral Calculus.

DR. YOUNG.

Determinants; Theory of Equations. DM. (6) At 11:30
Prerequisites: College Algebra and Plane Geometry. A continuous course for two quarters, but students may enter for the Determinants as a Minor, 1st Term, 1st Quarter.

Winter Quarter. Revised.

PROFESSOR MOORE.

*Theory of Functions of a Complex Variable. DM. (16) At 8:30

ASSOCIATE PROFESSOR BOLZA.

Advanced Integral Calculus. DM. (7) At 8:30
Prerequisites: Differential Calculus and Indefinite Integration.

*Hyperelliptic Functions. DM. (21) At 10:30
Continuation of Course (21) of the Autumn Quarter.

ASSISTANT PROFESSOR MASCHKE.

Theory of the Potential. DM. (14) At 9:30
Prerequisites: Analytic Geometry, Calculus, and Analytic Mechanics.

*Line Geometry. DM. (18) At 10:30
Prerequisites: Analytic Geometry, Calculus, and Theory of Surfaces.

DR. YOUNG.

Determinants; Theory of Equations. DM. (6) Continued. At 11:30
Prerequisites: College Algebra and Plane Trigonometry.

Spring Quarter.

PROFESSOR MOORE.

*Theta Functions. DM. (22) At 8:30
Prerequisite: Theory of Functions.

DR. YOUNG.

Theory of Invariants. DM. (6b) At 11:30
Continuation of (6).

DR. BOYD.

Differential Equations. DM. (10) At 8:30
Prerequisite: Advanced Integral Calculus.

ASSISTANT PROFESSOR MASCHKE.

Theoretical Electricity. DM. (13) At 10:30

Prerequisites: Analytic Geometry, and Differential and Integral Calculus.

***Finite Groups of Linear Substitutions.** DM. (19)
At 9:30*Summer Quarter.*

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** DM.
(15) At 8:30

Prerequisites: A thorough knowledge of Differential and Integral Calculus.

***Elliptic Functions.** DM. (20) At 9:30
Prerequisites: Theory of Functions and Theory of Substitutions.

DR. YOUNG.

Theory of Numbers. DM. (9) At 10:30**The Elements of the Theory of Invariants with Applications to Higher Plane Curves.** DM.
(11) At 11:30

Prerequisites: Determinants, and a thorough course in the Theory of Equations.

XVII. ASTRONOMY.

R.

Autumn Quarter.

ASSOCIATE PROFESSOR HALE.

Astronomical Photography. DM. (1) At 7:30 P.M.
Prerequisites: General Astronomy and Physics.**Stellar Spectroscopy.** DM.(or MM.) (3) At 7:30 P.M.
Prerequisite: Solar Physics.

DR. SEE.

***Mechanics of a System of Bodies and the Perturbing Function.** DM. (5) At 9:30
Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.**Spherical and Practical Astronomy.** DM. (8)
At 10:30

Prerequisites: Mathematics, Physics, and General Astronomy.

Astronomical Seminar. (10)

Prerequisites: Mathematics, Astronomy.

General Astronomy. Introductory Course. DM.
(11) At 11:30

Prerequisites: Algebra, Geometry, Trigonometry, and Elements of Physics.

Winter Quarter. Revised.

ASSOCIATE PROFESSOR HALE.

Solar Physics. DM (or MM.) (2) At 2:00

Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

***General Perturbations.** DM. (6) At 3:00

Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.

Astronomical Seminar. (10)

Prerequisites: Mathematics, Astronomy.

General Astronomy. (continued.) DM. (11)
At 4:00

Prerequisites: Algebra, Geometry, Trigonometry, and the Elements of Physics.

DR. LAVES.

Spherical and Practical Astronomy. DM. (8)
At 4:00

Prerequisites: Mathematics, Physics, and General Astronomy.

Spring Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics. DM. (2) At 2:00

Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

***Secular Perturbations.** DM. (7) At 3:00

Prerequisites: Courses 5 and 6.

Astronomical Seminar. (10)

Prerequisites: Mathematics and Astronomy.

History of Astronomy. DM. (12) At 4:00

Prerequisite: General Astronomy.

Astro-Physical Research, under the direction of Associate Professor Hale, all quarters.

DR. LAVES.

Theory of Probability and Method of Least Squares.
DM. (9) At 4:00

Prerequisites: Mathematics and General Astronomy.

XVIII. PHYSICS.

R.

Autumn Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course.** DMM. (1). (Omitted Autumn Quarter.)

***Special Graduate Course. DM (or MM.) (2)**

At 10:30

Prerequisites: Advanced Course in General Physics.

HEAD PROFESSOR MICHELSON AND ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced). 3 DM. (3) At 9:30**Laboratory Practice. (Advanced.) DM. (4)**

At 1:30

Prerequisites: Differential and Integral Calculus.

Winter Quarter. Revised.

HEAD PROFESSOR MICHELSON.

Research Course. DMM. (1) At 1:30**Special Graduate Course. 3 (DM (or MM.) (2)**

At 11:30

Prerequisite: Advanced Course in General Physics.

HEAD PROFESSOR MICHELSON AND ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) 3 DM. (3) At 10:30**Laboratory Practice. (Advanced.) DM. (4)**

At 1:30

Prerequisites: Differential and Integral Calculus.

ASSISTANT PROFESSOR STRATTON.

Electrical Measurements. DM. At 1:30

Prerequisites: General Physics. (Advanced.)

Spring Quarter.

HEAD PROFESSOR MICHELSON.

Research Course. DMM. (1)**Special Graduate Course. DM (or MM.) (2)**

Prerequisites: Advanced Course in General Physics.

ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) DM. (3) At 2:00

Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced.) DM. (4)

At 10:30

Prerequisites: Differential and Integral Calculus.

XIX. CHEMISTRY.

K.

Special fees will be charged to students taking Laboratory Courses in Chemistry as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

In no case, however, shall a student, taking several courses in Chemistry, be charged more than \$10.00 a quarter.

Autumn Quarter.

PROFESSOR NEF.

Organic Chemistry. DM. (6) At 11:30

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations: Laboratory Work. DM. (or MM.) (12)

Prerequisite: Qualitative and Quantitative Analysis and Organic Chemistry. (It may be taken simultaneously in connection with lectures on Organic Chemistry. Those intending to pursue research work in Inorganic Chemistry will be required to take this course as a triple Minor, and those intending to pursue research work in Organic Chemistry will be required to take the course as a triple Major).

Research Work for Ph.D. Thesis. Laboratory work. DMM. (14)*Journal Meetings. (15)**

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course continuing through three quarters. DM. (1)

Monday, Tuesday and Wednesday at 11:30 and Laboratory Monday and Tuesday 2:00 to 5:00

Prerequisite: Academic College Course in Physics.

Advanced Inorganic Work. DM (or MM.) (10)

Prerequisites: Qualitative and Quantitative Analysis, Theoretical Chemistry, Mineralogy and a reading knowledge of French and German. Those intending to pursue research work in Organic Chemistry will be required to take this course as a triple Minor, those intending to engage in Inorganic Research will be required to take the course as a triple Major.

***Research Work for Ph.D. Thesis. (Inorganic). DMM. (14)**

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Laboratory Work. DM (or MM.) (4)

Prerequisite: General Chemistry.

Qualitative Analysis. Lectures. ½ DM. (3a)
Thursday and Friday 2:00 to 3:00

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM (or MM.) (5)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis. (Inorganic). DMM. (14)**

DR. LENGFELD.

- ***Theoretical Chemistry.** Lectures. $\frac{1}{2}$ DM. (9)
Tuesday and Friday at 8:30
- ***Research Work for Ph.D. Thesis.** DMM. (14)

DR. STIEGLITZ.

- ***Organic Nitrogen Derivatives.** $\frac{1}{2}$ DM. (20)
Monday and Thursday at 8:30
Prerequisite: Organic Chemistry.
- ***Research Work for Ph.D. Thesis.** DMM. (14)
Winter Quarter. Revised.

PROFESSOR NEF.

- Organic Chemistry.** DM. (6) At 11:30
Prerequisites: General Chemistry and Qualitative Analysis.
- Organic Preparations. Laboratory Work.** DM (or MM.) (12)
For Prerequisites see Course 12, of Autumn Quarter.
- ***Research Work for Ph.D. Thesis. Laboratory Work.** DM. (14)
- Journal Meetings.**

ASSISTANT PROFESSOR STOKES.

- General Chemistry** (continued.) Introductory Course. DM. (1).
Monday, Tuesday and Wednesday at 11:30 and Laboratory Monday and Tuesday, 2:00 to 5:00
Prerequisites: Academic College Course in Physics, and Course 1 in Autumn Quarter.
- Advanced Inorganic Work.** DM (or MM.) (10)
For prerequisites and requirements see Course 10, Autumn Quarter.
- ***Research Work for Ph.D. Thesis.** DMM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

- Qualitative Analysis. Laboratory Work.** DM (or MM.) (4)
Prerequisite: General Chemistry.
- Qualitative Analysis.** Lectures. $\frac{1}{2}$ DM. (3a)
Thursday and Friday 2:00 to 3:00
Prerequisite: General Chemistry.
- Quantitative Analysis. Laboratory Work.** DM (or MM.) (5)
Prerequisite: Qualitative Analysis.
- ***Research Work for Ph.D. Thesis.** (Inorganic). DMM. (14)

DR. LENGFELD.

- Theoretical Chemistry.** $\frac{1}{2}$ DM. (9)
Tuesday and Friday at 8:30

- ***History of Chemistry.** $\frac{1}{2}$ DM. (18)
Wednesday and Thursday at 9:30
- ***Research Work for Ph.D. Thesis.** DMM. (14)

DR. STIEGLITZ.

- Qualitative Spectrum Analysis. Laboratory Work and Lectures.** $\frac{1}{2}$ DM. (16)
Wednesday and Saturday at 8:30
Prerequisite: General Chemistry.
- ***The Carbohydrates and the Complex Hydrocarbons.** $\frac{1}{2}$ DM. (21)
Monday and Thursday at 8:30
- ***Research Work for Ph.D. Thesis.** DMM. (14)

Spring Quarter.

PROFESSOR NEF.

- Organic Chemistry.** M. 1st Term. (6)
Organic Preparations. Laboratory Work. M (or MM.) 1st Term. (12)
For Prerequisites see Autumn Quarter.
- ***Research Work for Ph.D. Thesis.** MM. (14) 1st Term.
- Journal Meetings.**

ASSISTANT PROFESSOR STOKES.

- General Chemistry** (continued.) DM. (1)
Prerequisites: Academic College Course in Physics, and Course 1 in Autumn and Winter Quarters.
- General Chemistry (b).** Chiefly Laboratory Work. DM. (2) Open only to a limited number of students in the General Chemistry Course 1.
- Advanced Inorganic Work.** DM (or MM.) (10)
For Prerequisites and requirements see Course 10, Autumn Quarter.
- ***Research Work for Ph.D. Thesis.** (Inorganic). DMM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

- Qualitative Analysis. Laboratory Work.** DM (or MM.) (4)
Prerequisite: General Chemistry.
- Quantitative Analysis.** Lectures. $\frac{1}{2}$ DM. (3b)
Thursday and Friday 2:00 to 3:00
Prerequisite: Qualitative Analysis.
- Quantitative Analysis. Laboratory Work.** DM (or MM.) (5)
Prerequisite: Qualitative Analysis.
- ***Research Work for Ph.D. Thesis.** (Inorganic). DMM. (14)

DR. LENGFELD.

- ***Theoretical Chemistry.** $\frac{1}{2}$ M. 1st Term. (9)

Physico-Chemical Methods. $\frac{1}{2}$ M. 1st Term. (19)

*Research Work for Ph.D. Thesis. DMM. (14)

DR. STIEGLITZ.

*Research Work for Ph.D. Thesis. DMM. (14)

Summer Quarter.

PROFESSOR NEF.

Special Chapters of Organic Chemistry. $\frac{1}{2}$ M. 2d Term. (22)

*Research Work for Ph.D. Thesis. MM. 2d Term. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Special Chapters of Inorganic Chemistry. $\frac{1}{2}$ DM. (17)

Prerequisite: General Chemistry.

Qualitative Analysis. Laboratory Work. DM (or MM.)

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM (or MM.)

Prerequisite: Qualitative Analysis.

Advanced Inorganic Work. M (or MM.) (10)

Prerequisites: See Course 10, Autumn Quarter.

*Research Work for Ph.D. Thesis. (Inorganic.) DMM. (14)

DR. LENGFELD.

General Inorganic Chemistry. DMM. (8)

Physico-Chemical Methods. $\frac{1}{2}$ M. 2d Term. (19)

*Research Work for Ph.D. Thesis. DMM. (14)

DR. STIEGLITZ.

General Organic Chemistry. DMM. (7)

Organic Preparations. DM (or DMM.) (13)

For Prerequisites see Course 21, Autumn Quarter.

*Research Work for Ph.D. Thesis. DMM. (14)

XX. GEOLOGY.

W.

Seminar. Fortnightly during the year, under the presidency of the Head of the Department, aided by the departmental faculty. (25)

Autumn Quarter.

HEAD PROFESSOR CHAMBERLIN.

*Principles and Working Methods of Geology. DM. (or MM.) (22) At 10:30

Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Local Field Geology. (24)

Special Geology. (23)

PROFESSOR SALISBURY.

Geographic Geology. DM (or MM.) (10) At 11:30

Local Field Geology. (24)

ASSOCIATE PROFESSOR IDDINGS.

Crystallography. M. 1st Term. (2) At 9:30

Prerequisites: Physics and Inorganic Chemistry.

Physical Mineralogy. M. 2d Term. (3)] At 9:30

Prerequisite: Course 2.

Petrography. DM (or MM.) (6) At 2:00

MR. KUMMEL.

Laboratory Work in Geographic Geology. M. 2d Term. (11)

Winter Quarter.

HEAD PROFESSOR CHAMBERLIN.

*Principles and Working Methods of Geology. DM. (or MM.) (22) At 10:30

Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Special Geology. (23)

PROFESSOR SALISBURY.

Structural Geology and Continental Evolution. DM. (or MM.) (12). At 11:30

Prerequisites: Elementary Mineralogy and Petrology, Chemistry and Physics.

Dynamic Geography. MM (or M.) (13)

General Geology. DM. (9)

ASSOCIATE PROFESSOR IDDINGS.

Descriptive Mineralogy. DM. (4)

Prerequisites: Courses 2 and 3.

Petrography. DMM (or DM.) (6)

ASSOCIATE PROFESSOR PENROSE.

*Economic Geology. DM. (14)

Prerequisites: Mineralogy, Chemistry, and Physics.

Chemistry of Ore Deposits. DM. (15)

Prerequisite: Course 14.

PROFESSOR VAN HISE.

Pre-Cambrian Geology. M. 1st Term. (19)

Laboratory Course in Connection with Pre-Cambrian Geology. M. 1st Term. (20)

Spring Quarter.

HEAD PROFESSOR CHAMBERLIN.

Geologic Life Development. DM. (16)

Prerequisites: Zoölogy, Botany, Courses 12 and 9

Local Field Geology. (24)**Special Geology.** (23)

ASSOCIATE PROFESSOR IDDINGS.

Petrology. DM. (5)

Prerequisites: Courses 2 and 3.

*** Petrology. Advanced.** DM (or MM.) (7)*Summer Quarter.*

PROFESSOR SALISBURY.

Geology in Camp. DMM. (26)*Courses still to be arranged as to time and length.
See later Calendars.*

PROFESSOR WALCOTT.

Palæontologic Geology. (17)

PROFESSOR HOLMES.

Archæologic Geology. (21)

For courses in Vertebrate Palæontology see the Department of Zoölogy and Palæontology.

XXI. BOTANY.

No courses in this Department will be given during 1893-4.

XXII. ZOÖLOGY.

S.

Autumn Quarter.

HEAD PROFESSOR WHITMAN.

*** Embryology. Higher Invertebrates.** DMM. (1)
At 8:30

Prerequisites: The introductory Courses in Embryology, Anatomy, and Histology.

*** Seminar. Historical Topics.** DM. (3)

MR. LILLIE.

Vertebrate Embryology. DMM. (4)

Prerequisites: Elementary Zoölogy, outlines of Vertebrate Zoölogy, Palæontology, Histology.

DR. WATASÉ.

Cellular Biology. Lectures and Demonstrations.
Dates to be announced. (7)*Winter Quarter. Revised.*

HEAD PROFESSOR WHITMAN.

*** Embryology. Higher Invertebrates.** DMM. (1)
At 8:30

For prerequisites see Autumn Quarter.

*** Seminar. Historical Topics.** DM. (3)

MR. LILLIE.

Vertebrate Embryology. DMM. (4) At 10:30
For prerequisites see Autumn Quarter.

DR. WATASÉ.

Cellular Biology. Lectures and demonstrations.
Dates to be announced. (7)*Spring Quarter.*

HEAD PROFESSOR WHITMAN.

*** Embryology. Tectonics of the Vertebrate Embryo.**
DMM. (2) At 8:30

Prerequisites: The introductory Courses in Morphology.

MR. LILLIE.

Vertebrate Embryology. DMM. (4) At 10:30
For prerequisites see Autumn Quarter.

DR. JORDAN.

Sanitary Biology. DM. (6)
Prerequisite: Chemistry.

DR. WATASÉ.

Cellular Biology. Lectures and demonstrations.
Dates to be announced. (7)

PALÆONTOLOGY.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.
M. (8) At 9:30*** Research in the Osteology of Living and Extinct Vertebrates.** DMM. (11)

Prerequisites: Comparative Osteology and Phylogeny of Vertebrates.

Winter Quarter. Revised.

ASSISTANT PROFESSOR BAUR.

*** Comparative Osteology and Phylogeny of Vertebrates.** DM in connection with Course 10. (9)
At 9:30

Prerequisites: Vertebrate Zoölogy, Anatomy, Embryology, Geology.

*** Seminar in Comparative Osteology.** DM in connection with Course 9. (10)*** Research in the Osteology of Living and Extinct Vertebrates.** DMM. (11).

For prerequisites see Autumn Quarter.

Spring Quarter.

ASSISTANT PROFESSOR BAUR.

- * **Comparative Osteology and Phylogeny of Vertebrates.** DM in connection with Course 10. (9)

At 9:30

- * **Seminar in Comparative Osteology.** DM in connection with Course 9. (10)

- * **Research in the Osteology of Living and Extinct Vertebrates.** DMM. (11)

Summer Quarter.

ASSISTANT PROFESSOR BAUR.

- Palæontological Field Work.** (12)

XXIII. ANATOMY AND HISTOLOGY.

S.

Winter Quarter. Revised.

MR. EYCLESHYMER.

- General Histology of Animals.** DM. (1) □ At 2:00

Spring Quarter.

MR. EYCLESHYMER.

- General Histology of Animals.** DM. (4) At 2:00

XXIV. PHYSIOLOGY.

S.

Autumn Quarter.

ASSISTANT PROFESSOR LOEB.

- * **Original Investigations in Physiology.** DMM. (1)

- Physiology of the Sense Organs and the Peripheral and Central Nervous System.** DM. (2)

At 9:30

- Laboratory Work in Physiology of the Sense Organs and the Nervous System.** In connection with Course 4. (3)

- Seminar.** In connection with Course 3. (4)

NOTE.—Courses 3 and 4 taken together form an advanced course in Physiology (Double Minor). With the permission of the Instructor they may be taken together by students of Course 2 as a Double Major.

Winter Quarter. Revised.

ASSISTANT PROFESSOR LOEB.

- * **Original Investigations in Physiology.** DMM. (1)

At 9:30

- Physiology of Circulation, Respiration, and Animal Heat.** DM. (5)

Prerequisite: Course 2.

- Laboratory Work in the Physiology of Circulation, Respiration and Animal Heat.** (6)

- Seminar:** in connection with Course 6. Together with Course 6. DM. (7)

Prerequisites: Courses 3 and 4.

Spring Quarter.

ASSISTANT PROFESSOR LOEB.

- * **Original Investigations in Physiology.** DMM. (1)

At 9:30

- General Physiology of Animals and Plants.** Lectures in connection with Course 10. (9)

- General Physiology of Nerves and Muscles.** Together with Course 9. DMM. (10)

- Laboratory Work in Physiology of Nerves and Muscles and in General Physiology.** (11)

- Seminar:** in connection with Course 11. Together with Course 11. DM. (12)

Prerequisites: Courses 4 and 3.

DR. LINGLE.

- Physiology of Digestion, Secretion, and Metabolism.** DM. (8)

Prerequisites: Courses 2 and 5.

Summer Quarter.

DR. LINGLE.

- Physiological Demonstration.** DM. (14)

It is the aim of this course to give to teachers in the High Schools and Colleges an opportunity to become familiar with the typical physiological experiments.

XXV. NEUROLOGY.

K 45.

Autumn Quarter.

PROFESSOR DONALDSON.

- The Architecture of the Central Nervous System.** DM. (1)

At 8:30

Prerequisite: General Histology.

- * **Seminar.** DM. (6)

Winter Quarter. Revised.

PROFESSOR DONALDSON.

- Anatomy of the Special Sense Organs.** M. 1st Term. (2).

At 8:30

Prerequisite: General Histology.

- Physical Characters of the Brain as related to the Intelligence.** M. 2d Term. (3)

Prerequisite: General Histology.

- * **Seminar.** DM. (6)

Spring Quarter.

PROFESSOR DONALDSON.

Doctrine of Localization of Function in the Cerebral Cortex. DM. (4) At 8:30

Prerequisites: Histology and Elementary Physiology.

*Seminar. DM. (6)

Summer Quarter.

PROFESSOR DONALDSON.

The Development of the Central Nervous System. DM. (5) At 8:30

Prerequisites: Histology and Embryology.

*Seminar. DM. (6)

ANNOUNCEMENTS FOR THE ACADEMIC COLLEGES.

The following is a list of the titles of courses to be offered in the Academic Colleges from October, 1893, to October, 1894. For full description of courses consult the ANNUAL REGISTER or the DEPARTMENTAL PROGRAMMES. The number of each course in the REGISTER is indicated by the figure in parenthesis following the title.

Fuller Announcements for the Summer Quarter (1894) will be made in later numbers of the CALENDAR.

REGISTRATION.—Students in residence must register for the Winter Quarter on or before November 24th. The registration card will be filled out in consultation with the Dean. The Dean may be consulted at his Office Hours.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before January 2, 1894. Registration after this day may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

II. POLITICAL ECONOMY.

C 3-8.

Autumn Quarter.

PROFESSOR A. C. MILLER.

Principles of Political Economy. DM. (1) At 8:30.

Open only to students who elect 1A or 1B in the Winter Quarter.

Winter Quarter. Revised.

PROFESSOR A. C. MILLER.

Advanced Political Economy. DM. (1A) At 8:30

MR. CALDWELL.

Descriptive Political Economy. DM. (1B) At 8:30

MR. HILL.

Industrial and Economic History. DM. (2)
At 8:30

IV. HISTORY.

C 5-8.

Autumn Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (41)
At 10:30

DR. SCHWILL.

Outline History of Modern Europe. DM. (42)
At 3:00

Winter Quarter. Revised.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (41)
At 10:30

DR. SCHWILL.

Outline History of Modern Europe. DM. (42)
At 3:00

Spring Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (41)
At 10:30

DR. SCHWILL.

Outline History of Modern Europe. DM. (42)
At 3:00

DR. KENT.

Outline of Biblical History. DM.

X. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

PROFESSOR SHOREY.

Homer. DM. (7) At 10:30
Open to Academic College Students who have completed two or more Majors with credit.

ASSOCIATE PROFESSOR TARBELL.

Two Plays of Euripides. DM. (4) At 9:30

ASSISTANT PROFESSOR CASTLE.

Xenophon (Memorabilia); **Plato** (Apology and Crito). DMM. (2) At 8:30 and 3:00

Winter Quarter.

MR. ———

Homer (Iliad, Books I-III); **Review of Greek Grammar.** DMM. (1) At 8:30 and 3:00.
Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek.

Spring Quarter. Revised.

PROFESSOR SHOREY.

Introduction to Study of the Greek Drama. DM. (17) At 10:30

Open to Academic College Students who have completed two or more Majors with credit.

XI. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

DR. MILLER.

Horace (Odes); Wilkins's Primer of Roman Literature. Section 1. DM. (8a) At 9:30

Horace (Odes); Wilkins's Primer of Roman Literature. Section 2. DM. (8b) At 11:30

MR. EMERY.

Cicero (de Senectute); Livy (Books xxi and xxii); Terence (Phormio); Tacitus (Germania and Agricola). Section 2. DMM. (3a) At 8:30 and 3:00

MR. ———.

Cicero (de Senectute); Livy (Books xxi and xxii); Terence (Phormio); Tacitus (Germania and Agricola). Section 1. DMM. (3b) At 8:30 and 3:00

Winter Quarter. Revised.

DR. MILLER.

Horace (Odes); Wilkins's Primer of Roman Literature. DM. (8c) At 10:30

Horace (Satires); Seneca (Tragedies). DM. (9) At 11:30

Open only to students who have completed the required three Majors in Latin.

MR. EMERY.

Cicero (de Senectute); Livy (Books xxi and xxii); Terence (Phormio); Tacitus (Germania and Agricola). Section 2. DMM. (3c) At 8:30 and 3:00

MR. ———.

Virgil (Æneid); Cicero (Orations). DMM. (1) At 8:30 and 3:00

Open only to students in the Course in Science.

Spring Quarter.

DR. MILLER.

Cicero (de Senectute); Livy (Books xxi and xxii); Terence (Phormio); Tacitus (Germania and Agricola). Section 1. DMM. (3d) At 9:30

MR. EMERY.

Cicero (de Senectute); Livy (Books xxi and xxii); Terence (Phormio); Tacitus (Germania and Agricola). Section 2. DMM. (3e) At 8:30 and 3:00

MR. ———.

Horace (Odes); Wilkins's Primer of Roman Literature. DM. (8e) At 10:30

Selections from Ovid, Horace, Catullus, and Cicero's Letters. Section 1. DM. (2a) At 11:30

Open only to students in the Course in Science.

Summer Quarter.

DR. MILLER.

Cicero (de Senectute); the Writing of Latin. M. 1st Term. (4) At 9:30

Terence. M. 1st Term. (5) At 10:30

MR. ———.

Livy; the Writing of Latin. M. 2d Term. (6) At 9:30

Horace (Odes). M. 2d Term. (7) At 10:30

ASSOCIATE PROFESSOR TARBELL.

Thucydides. DM. (15) At 9:30

ASSISTANT PROFESSOR CASTLE.

Lysias. (Selected Orations). DMM. (3) At 8:30 and 3:00

Not open to students who take Course 2.

PROFESSOR SHOREY.

Greek Reading Club. (Voluntary). Once a week, October to June. (24).

Summer Quarter.

MR. ———.

Xenophon (Memorabilia); Plato (Apology and Crito). DMM. (2) At 8:30 and 3:00

XII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Autumn Quarter.

DR. KINNE.

Selections from Erckman-Chatrian, etc. DMM. (28) At 8:30 and 3:00

French Grammar; Knapp's French Readings (for beginners). DM. (29) At 3:00

MISS WALLACE.

Knapp's Spanish Grammar. DM. (9) At 9:30

Winter Quarter. Revised.

DR. KINNE.

Knapp's French Readings continued; French Grammar continued. DMM. (30) At 8:30 and 2:00

Selections from Mérimée, Feuillet, Lamartine, etc. DM. (31) At 9:30

MISS WALLACE.

Knapp's Spanish Grammar. DM. (10) At 9:30

Spring Quarter.

ASSISTANT PROFESSOR BERGERON.

Rapid Analysis of the Works of Chateaubriand, Hugo, etc. DM. (33) At 11:30**Elements of French Literature.** DM. (34) At 2:00

DR. KINNE.

Selections from Erckman-Chatrion, etc. DMM. (28) At 2:00**French Grammar; Knapp's French Readings (for beginners).** DM. (29) At 3:00*Summer Quarter.*

DR. KINNE.

French Grammar; Easy French Readings. DM. (32) At 2:00

XIII. THE GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

Autumn Quarter.

ASSISTANT PROFESSOR CUTTING.

Modern Prose. DM. (20) At 8:30

DR. SCHMIDT-WARTENBERG.

Outline Study of Goethe's Works. DM. (24) At 3:00

DR. VON KLENZE.

German Lyrics. DM. (22) At 2:00

MR. MÜLFINGER.

Elementary Course in German. DMM. (18) At 8:30 and 3:00*Winter Quarter. Revised.*

ASSISTANT PROFESSOR CUTTING.

Elementary Course. DMM. (18) At 8:30 and 3:30**German Comedies.** DM. (21) At 9:30

MR. MÜLFINGER.

Intermediate Course. DM. (19) At 11:30*Spring Quarter.*

DR. SCHMIDT-WARTENBERG.

Modern Prose. DM. (20) At 2:00

DR. VON KLENZE.

German Prose Composition. M. 2nd Term. (23) At 4:00**Boisen's Preparatory Book of German Prose.** M. 1st Term. (6) At 11:30*Summer Quarter.*

ASSISTANT PROFESSOR CUTTING.

German Lyrics. DM. (22) At 9:30

DR. VON KLENZE.

Modern Prose. DM. (20) At 2:00

MR. MÜLFINGER.

Elementary Course. DMM. (18) At 8:30 and 3:00

XIV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

K.

Autumn Quarter.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (10) At 8:30

Prerequisite: Course 1, required of all Academic College students.

MR. LOVETT.

English Composition. Advanced Course. DM. (2)

Elective. At 11:30

Prerequisite: Course 1.

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1 A) Class-room instruction, short themes, and exercises for one Quarter. At 2:00

(1 B) Themes to follow (1 A) for two Quarters.

Attendance at consultation hours required:

Sec. a, Mondays, 11:30.

Sec. b, Wednesdays, 2:00.

Sec. c, Saturdays, 9:30.

(1 C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Course 1 C will be given during the Autumn, Winter, and Spring Quarters after Oct. 1, 1894.]

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Robert Browning. DM. (20)

At 11:30

Winter Quarter.—Revised.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (10) At 9:30

Required of all Academic College students.

Prerequisite: Course (1)

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1 A) Class-room instruction, short themes and exercises for one Quarter. At 2:00

(1B) Themes to follow (1A) for two Quarters.
Attendance at consultation hours required:

Sec. a, Mondays, 11:30.

Sec. b, Wednesdays, 2:00.

Sec. c, Saturdays, 9:30.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Course (1C) will be given during the Autumn, Winter, and Spring Quarters after Oct. 1, 1894.]

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Tennyson and Arnold. DM. (21) At 11:30
Prerequisite: English (10.)

Spring Quarter.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (10) 9:30
Required of all Academic College students.
Prerequisite: Course (1).

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. At 2:00.

(1B) Themes to follow (1A) for two Quarters.
Attendance at consultation hours required:

Sec. a, Mondays, 11:30.

Sec. b, Wednesdays, 2:00.

Sec. c, Saturdays, 9:30.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Course 1C will be given during the Autumn, Winter, and Spring Quarters after Oct. 1, 1894.]

MR. LOVETT.

English Composition. DM. (2) At 9:30

Prerequisite: (1A) and (1B.)

[Students who elect Course 2 are excused from Course 1C.]

Argumentative Composition. DM. (3) At 8:30

Prerequisites: (1A) and (1B).

MR. TRIGGS.

English Literature of the 19th Century. Emerson, Thoreau, Lowell, and Whitman. DM. (22) At 11:30

Prerequisite: English (10).

Summer Quarter.

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. At 2:00.

(1B) Themes to follow (1A) for two Quarters.
Attendance at consultation hours required:

Sec. a, Mondays, 11:30.

Sec. b, Wednesdays, 2:00.

Sec. c, Saturdays, 9:30.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition at which attendance is voluntary, will be given at intervals. Consultation with instructors is required. [Course 1C will be given during the Autumn, Winter, and Spring Quarters after Oct. 1, 1894.]

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Autumn Quarter.

MR. VOTAW.

History of New Testament Times. DM. (B1) At 2:00

Winter Quarter.

DR. KENT.

Apocryphal Wisdom Literature. DM.

MR. ROOT.

The Life of Christ. DM. (B2) At 2:00

Spring Quarter.

DR. KENT.

Outline of Biblical History. DM.

MR. ROOT.

Studies in the Apostolic History. M. First Term.
(B6) At 2:00Studies in the Epistles of Paul. M. Second Term.
(B7) At 2:00

XVI. MATHEMATICS.

R.

Autumn Quarter.

NOTE.—Two consecutive Double Minors of mathematics (Course 1) are required of every student in the first year of residence. The topics are *Algebra*, *Plane Trigonometry*, and *Co-ordinate Geometry of the Point, Line and Circle*.

Of Course 1, sections a, b, and c take the work in the Autumn and Winter Quarters, sections d, e and f in the Winter and Spring Quarters.

If students are allowed to Matriculate with entrance conditions in mathematics, they are expected to remove these conditions at the next regular entrance examination, and, until this has been done, they may not take the (Course 1) required college mathematics.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30
The mathematical elective for the Academic College. To be continued through three quarters.

DR. YOUNG.

Required Mathematics. Section c; first quarter.
DM. At 9:30

DR. BOYD.

Plane Trigonometry. M. 1st Term. (2) At 10:30
Prerequisite: College Algebra.

Spherical Trigonometry. M. 2d Term. (3) At 10:30

Prerequisites: Solid Geometry and Plane Trigonometry.

Required Mathematics. Section a; first quarter.
DM. (1a) At 9:30

Required Mathematics. Section b; first quarter.
DM. (1b) At 2:00

Winter Quarter. Revised.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30
Elective, continued.

DR. YOUNG.

Required Mathematics. Section c; second quarter.
DM. (1c) At 10:30

DR. BOYD.

Required Mathematics. Section a; second quarter.
DM. (1a) At 9:30

Required Mathematics. Section b; second quarter.
DM. (1b) At 2:00

Required Mathematics. Section d; first quarter.
DM. (1d) At 10:30

MR. SLAUGHT.

Required Mathematics. Section e; first quarter.
DM. (1e) At 11:30

MR. SMITH.

Required Mathematics. Section f; first quarter.
DM. (1f) At 2:00

Spring Quarter.

DR. YOUNG.

Plane Trigonometry. DM. (2b) At 10:30

This course is intended for those students of the Academic College who did one quarter's work in mathematics during the year 1892-3.

DR. BOYD.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30
Elective, continued.

Required Mathematics. Section d; second quarter.
DM. (1d) At 2:00

MR. SLAUGHT.

Required Mathematics. Section e; second quarter.
DM. (1e) At 11:30

Required Mathematics. Section f; second quarter.
DM. (1f) At 2:00

Summer Quarter.

MR. SMITH.

Plane Analytical Geometry. DM. (4b)
Plane Trigonometry. DM. (4a)

XVIII. PHYSICS.

R.

Autumn Quarter.

MR. HOBBS.

Laboratory Practice. (General). DM. (6) At 1:30
Prerequisite: First Quarter of (5)

Winter Quarter. Revised.

ASSISTANT PROFESSOR STRATTON.

General Physics. 2 DM. (5) At 8:30
Prerequisite: Plane Trigonometry.

MR. HOBBS.

Laboratory Practice. (General). DM. (6) At 1:30

Prerequisite: First Quarter of (5)

Spring Quarter.

ASSISTANT PROFESSOR STRATTON.

General Physics. DM. (5) At 8:30

Prerequisite: Plane Trigonometry.

MR. HOBBS.

Laboratory Practice. (General). DM. (6) At 1:30

Prerequisite: First Quarter of (5).

Summer Quarter.

MR. ———

General Physics. DMM. (7) At 9:30

Prerequisite: Plane Trigonometry.

MR. ———

Laboratory Practice. (General). DM. (6) At 1:30

To accompany Course (7).

XIX. CHEMISTRY.

K.

Autumn Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course. DM. (1)Monday, Tuesday, and Wednesday at 11:30, and
Laboratory Monday and Tuesday 2:00 to 5:00.

A continuous course through three Quarters.

Prerequisites: Courses 5 and 6 in Physics.

Winter Quarter. Revised.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course. DM. (1)Monday, Tuesday, and Wednesday at 11:30, and
Laboratory Monday and Tuesday 2:00 to 5:00.

Prerequisite: Course 1 in 1st Quarter.

Spring Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory course. DM. (1)

Prerequisite: Course 1 in 1st and 2d Quarters.

General Chemistry, Chiefly Laboratory Work.DM. (2) Open only to a limited number of
students in Course 1.*Summer Quarter.*

DR. LENGFELD.

General Inorganic Chemistry. DM. (8)

XX. GEOLOGY.

W.

Autumn Quarter.

PROFESSOR SALISBURY.

Physiography. DM. (1) At 9:30*Winter Quarter. Revised.*

PROFESSOR SALISBURY.

Physiography. DM. (1) At 9:30

XXII. ZOÖLOGY.

S.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.

M. 1st Term. (8) At 9:30

DR. JORDAN.

Elementary Zoölogy. DM. (5) At 10:30Prerequisites: Elementary Chemistry and
Physics.*Winter Quarter.*

DR. JORDAN.

Elementary Zoölogy. DM. (5) At 10:30Prerequisites: Elementary Chemistry and
Physics.

XXIV. PHYSIOLOGY.

S.

Spring Quarter.

DR. LINGLE.

General Physiology of Animals and Plants. 3
lectures a week. (9).

XXVI. ELOCUTION.

Autumn Quarter.

MR. CLARK.

Theory and Practice. One hour a week during the
year. Required of students in 2d year of
Academic Colleges. (1).**Advanced Elocution.** 2 hrs. a week. M. (2). Open
to the University Colleges and to students who
have completed elsewhere work equivalent to
Course 1.*Winter Quarter. Revised.*

MR. CLARK.

Theory and Practice. One hour a week. (1)**Writing and Delivery of Original Orations, Analy-
sis and Reading of Macbeth.** M. (3).

Prerequisites: Courses 1 and 2.

Spring Quarter.

MR. CLARK.

Theory and Practice. One hour a week. (1)**Advanced Elocution.** M. (2). See announcement for Autumn Quarter.

XXVII. PHYSICAL CULTURE.

Class Work in Physical Culture is required of all undergraduate students not excused on account of physical disability, during four half-hours a week. Students are given choice of hour and course. Courses are offered in prescriptive work, general class drills, and athletic training. Each course is so arranged that those who take part in it receive work which tends to symmetrical development.

Students will select their period for class work from the following: Men — 8:45, 9:45, 10:45, 11:45 A.M.; 4:15, 5:15 P.M. Women—11:45 A.M. and 4:45 P.M. for beginners, and 3:15 and 5:15 P.M. for advanced students. Classes in prescriptive work will be formed for both men and women. Application may be made to the gymnasium instructor by those wishing to join these classes. Training for any of the University Athletic Teams will be accepted as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday, Wednesday, Thursday, and Friday of each week. Bulletins containing appointments for physical examination and departmental communications will be posted on the Physical Culture bulletin board.

COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL.

OCTOBER 1, 1893, TO OCTOBER 1, 1894.

ANNOUNCEMENTS FOR THE GRADUATE DIVINITY SCHOOL.

NOTE.—The following is a list of the titles of courses given in the Divinity School from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENT PROGRAMMES. The number of each course in the REGISTER is indicated by the number in parenthesis following the title of the course.

The hours of the exercises will be announced in the Time Schedule of the Divinity School. The days on which exercises are held will be indicated by the instructor.

Abbreviations: A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered.

The abbreviations used in the descriptions of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Winter Quarter on or before November 24; the registration card may be obtained from the Dean. The student will, (1) write upon the card the titles and numbers of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before November 24.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before January 2, 1894. Registration after this date may be secured only (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

XXX. OLD TESTAMENT LITERATURE AND EXEGESIS. D 12-16.

The Departmental Numbers XXX and VII are identical, also XXXI and VIII. For additional courses see announcements of Graduate School and Colleges.

VII. SEMITIC LANGUAGES AND LITERATURES.

Autumn Quarter.

HEAD PROFESSOR HARPER.

- Later Suras of the Kuran. DMM or DM (65)
- Hexateuchal Analysis. DM. (55)

PROFESSOR HIRSCH.

- Introduction to Talmudic Literature. M. 1st Term. (34)
- Job. M. 1st Term. (40)
- Reading of Selected Portions of the Babylonian Talmud. M. 2d Term. (37)
- Introduction to the Textual Criticism of the Old Testament. M. 2d Term. (38)

ASSOCIATE PROFESSOR PRICE.

- Special Introduction. DM. (30)
- Bilingual Babylonian Psalm Literature. M. 2d Term. (77)

Earliest Unilingual Cuneiform Inscriptions. M. 1st Term. (78)

ASSOCIATE PROFESSOR GOODSPEED.

- The History of Antiquity. DM or MM. (IV. 1)

DR. CRANDALL.

- Sight Translation in Hebrew. DM. (8)

DR. KENT.

- Old Testament Wisdom Literature. DM. (31)

Winter Quarter. Revised.

HEAD PROFESSOR HARPER.

- Arabic Poetry and Inscriptions. DM. (55)
- Hebrew Language. DM. (1)

PROFESSOR HIRSCH.

- Abodah Zarah. M. 1st Term. (48)
- Selected Portions of the Mishna. M. 1st Term. (43)
- Coptic. M. 2d Term. (44)
- New Testament and Talmudic Analogies. M. 2d Term. (46)

ASSOCIATE PROFESSOR PRICE.

- Jeremiah. M. 1st Term. (21)
- Isaiah, Chapters XL-LXVI. M. 2d Term. (23)
- Biblical Aramaic. DM.

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. DM. (69)

Advanced Assyrian. DM. (71)

Beginning Syriac. DM. (88)

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (4)

DR. KENT.

Apocryphal Wisdom Literature. DM. (32)

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History from the Exile to the Christian Era. M. 1st Term. (IV. 2a)

Spring Quarter.

HEAD PROFESSOR HARPER.

The Three Legal Codes. MM. 1st Term. (13)

Old Testament Legal Literature. MM. 2d Term. (27)

Phœnician. M. 1st Term. (91)

Comparative Semitic Grammar. M. 2d Term. (94)

PROFESSOR HIRSCH.

Genesis with Targum. M. 1st Term. (82)

Arabic: Thousand and One Nights. M. 1st Term. (66)

Maimonides' "Guide" in Arabic Hebrew. M. 2d Term. (51)

Advanced Syriac. M. 2d Term. (50)

ASSOCIATE PROFESSOR PRICE.

Isaiah. Chapters I-XXXIX (English). M. 1st Term. (XII. A. 1)

Modern Discoveries and the Old Testament. M. 1st Term. (56)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. M. 2d Term. (IV. 3b)

ASSOCIATE PROFESSOR HARPER.

Assyrian and Babylonian Life. M. 1st Term. (59)

Assyrian Letters. M. 1st Term. (75)

Mesopotamian Geography. M. 2d Term. (61)

Babylonian Contracts. M. 2d T. (76)

Early Historical Inscriptions. DM. (72)

DR. CRANDALL.

Sight Translation in Hebrew. M. 1st Term. (9)

The Books of Samuel. M. 2d Term. (6)

DR. KENT.

Outline of Biblical History. DM.

Minor Prophets of the Assyrian Period. M. 1st Term.

Introduction to Biblical History. DM. (33)

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period. M. 2d Term. (11)

The Arabic Language. M. 2d Term. (63)

Advanced Hebrew Grammar. M. 2d Term. (97)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (3)

Ezekiel. (English) M. 1st Term. (XII. A2)

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonian-Assyrian History. 2d Term. (IV. 56)

The Relations of Hebrew and Egyptian History M. 1st Term. (IV. 5a)

Islam. Double M. (VI. 4)

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. DM. (69)

Advanced Assyrian. DM. (71)

The Book of Proverbs. M. 1st Term. (17)

Micah. M. 2d Term. (14)

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5)

XXXI. NEW TESTAMENT LITERATURE AND EXEGESIS

D 10-12.

The Department Numbers XXXI and VIII are identical. For additional courses see announcements for Graduate School and Colleges.

Autumn Quarter.

HEAD PROFESSOR BURTON.

The Gospel of Matthew. DM. (8)

Prerequisite: Course (1) must precede or accompany this course or (2) precede it.

New Testament Greek. (Grammar.) DM. (1)

NOTE.—This course is intended to furnish linguistic preparation for the exegetical study of the New Testament and is prescribed for all candidates for the degree of B.D. An examination covering the ground of the course will be accepted in lieu of the course.

Winter Quarter. Revised.

HEAD PROFESSOR BURTON.

The Gospel of John. DM. (10)

Prerequisites: (1) and (8)

New Testament Quotations from the Old Testament. DM. (24)

Spring Quarter.

MR. ROOT.

Rapid Translation of Portions of the Greek Text
of the New Testament. M. 1st Term.
(VIII. 3).

MR. VOTAW.

New Testament Greek. M. 1st Term. (VIII. 2).
Sources and Relations of the Four Gospels. M.
2d Term. (VIII. 20).

Summer Quarter.

HEAD PROFESSOR BURTON.

The Second Group of the Letters of the Apostle
Paul. M. 1st Term. (15)
The Third Group of the Letters of the Apostle
Paul. M. 2d Term. (16)

DR. ARNOLT.

New Testament Syntax. Inductively studied.
M. 1st Term. (7)

XXXII. BIBLICAL THEOLOGY.

D 10-12.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Theology of the Synoptic Gospels. DM. (1)
Prerequisites: XXXI. Courses 1 and 8 Pre-
scribed for candidates for the degree of D.B., in
first year of their course.

Spring Quarter.

Seminar on the Theology of the Gospel of John.
M. 1st Term. (3)
Prerequisites: XXXI, Courses 1, 8 and 10.

XXXIII. SYSTEMATIC THEOLOGY.

D 2-7.

Autumn Quarter.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. DM. (1)
Required for students who have been in the
School one year.

Soteriology. DM. (4)

Prerequisites: Theology Proper and Anthro-
pology.
For students who have been two years in the
School.

ASSISTANT PROFESSOR SIMPSON.

Apologetics. DM. (2)
Required of students in the first year.

Winter Quarter. Revised.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. DM. (1)
Required of students in the first year.

Spring Quarter.

HEAD PROFESSOR NORTHRUP.

Anthropology. M. 1st Term.
Required of 1st year students.
Anthropology. M. 1st Term.
Required of 2d year students.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. M. 1st Term. (5)
Elective for students who have completed the
preceding studies of the Theological Course.

XXXIV. CHURCH HISTORY.

D 2-7.

Autumn Quarter.

HEAD PROFESSOR HULBERT.

The English Reformation and Puritanism. DM.
(12)
The Anglican Church. DM. (20)
See Course (12).
Under the Tudors, A.D. 1509-1603. DM. (27)
See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. DM. (1)
From Boniface VIII. to Luther, A.D. 1294-1517.
DM. (5)
See Course (10).
Preparation for the Protestant Reformation. DM.
(10)

Winter Quarter. Revised.

HEAD PROFESSOR HULBERT.

From Constantine to Theodosius, A.D. 311-395.
DM. (2)
The English Reformation and Puritanism. DM. (12)
Under the Stuarts, A.D. 1603-1688. DM. (28)
See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

The German Reformation. DM. (11)
The Lutheran Church. DM. (13)
See Course (11).

Spring Quarter.

HEAD PROFESSOR HULBERT.

From Theodosius to Charles the Great. (A.D. 395-
814). M. 1st Term. (3)

In Celtic and in Anglo-Saxon Britain (A.D. 200-1066). DM. (24)
See Course 3.

ASSISTANT PROFESSOR JOHNSON.

The Reformers: Wiclif, Huss, and Savonarola. M.
1st Term. (9)

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

Autumn Quarter.

HEAD PROFESSOR ANDERSON.

Plans and Sermons. (1)

Required of 1st, 2d and 3d year men. (A weekly exercise.)

Church Polity, and Pastoral Duties. DM. (4)

Winter Quarter. Revised.

HEAD PROFESSOR ANDERSON.

Homiletics. DM. (2)

Required for students in the first year.

PROFESSORS ANDERSON AND JOHNSON.

Plans and Sermons. (1)

Required of 1st, 2d and 3d year men. (A weekly exercise.)

Spring Quarter.

HEAD PROFESSOR ANDERSON.

History of Preaching. MM. 1st Term (3)

Plans and Sermons. (2)

Required of 1st, 2d and 3d year men. (A weekly exercise.)

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Courses in this department in the Graduate School and the Colleges, are open to students in the Divinity School.

ANNOUNCEMENTS FOR THE ENGLISH THEOLOGICAL SEMINARY.

THE PRESCRIBED CURRICULUM FOR THE FIRST YEAR.

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel and Kings. At 2:00.

ASSISTANT PROFESSOR SIMPSON.

Inspiration and Theology Proper. At 3:00.

ASSISTANT PROFESSOR SIMPSON.

Evidences of Christianity. At 4:00.

Winter Quarter. Revised.

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. DM. XXXIII. (12)

ASSISTANT PROFESSOR SIMPSON.

Anthropology. M. 1st Term. XXXIII. (9)

Ethics. DM. XXXIII.

ASSISTANT PROFESSOR JOHNSON.

Homiletics. M. 2d Term. XXXV. (2)

Spring Quarter.

PROFESSOR ———.

Studies in the Gospel of Matthew on the basis of the Revised Version. M. 1st Term. XV. (16)

ASSOCIATE PROFESSOR PRICE.

Isaiah, I-XXXIX. M. 1st Term. (XV. A. 1).

ASSISTANT PROFESSOR JOHNSON.

Homiletics. M. 1st Term. XXXV. (2)

THE PRESCRIBED CURRICULUM FOR THE SECOND YEAR.

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel and Kings. At 2:00.

HEAD PROFESSOR HULBERT.

History of the Church from Constantine to Theodosius. At 11:30.

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. At 3:00.

ASSISTANT PROFESSOR SIMPSON.

Evidences of Christianity. At 4:00.

Required of Students who have not studied Christian Evidences.

Winter Quarter. Revised.

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. DM. XXXIII. (12)

HEAD PROFESSOR HULBERT.

History of the Church from Theodosius to Charles the Great. M. 1st Term. XXXIV. (3)

HEAD PROFESSOR ANDERSON.

Homiletics. DM. XXXV. (16)

ASSISTANT PROFESSOR SIMPSON.

Soteriology. M. 2d Term. XXXIII. (10)
Ethics. DM. XXXIII.

Required of students who have not studied Ethics.

Spring Quarter.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. M. 1st Term. XXXIII. (5)

PROFESSOR ———.

**Studies in the Gospel of Matthew on the basis of
the Revised Version.** M. 1st Term. XV (16)

ASSOCIATE PROFESSOR PRICE.

Isaiah, I-XXXIX. M. 1st Term. (XV. A.1)

ANNOUNCEMENTS FOR THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

XL. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (DAN.-NOR.)

Autumn Quarter.

ASSISTANT PROFESSOR GUNDERSON.

General Introduction. M. 1st Term. (1)
Particular Introduction. M. 1st Term. (2)
The Principles of Biblical Interpretation. M. 2d Term. (3)
Exegesis. The Epistle to the Galatians. M. 2d Term. (6)

Winter Quarter.

ASSISTANT PROFESSOR GUNDERSON.

Exegesis. The Epistle to the Romans. DM. (7)
The Parables of Our Lord. DM. (5)

Spring Quarter.

ASSISTANT PROFESSOR GUNDERSON.

Sacred Geography and Biblical Antiquities. M. 1st Term. (4)
The Epistle to the Ephesians. M. 1st Term. (8)

* In the absence of Professor Jensen, instruction is given by Professor Wold.

XLI. SYSTEMATIC THEOLOGY. (DAN.-NOR.)

Winter Quarter.

PROFESSOR JENSEN.*

Introduction to the Science of Christian Theology.
M. 1st Term. (1)
Antecedents of Redemption. M. 1st Term. (2)
Redemption Itself. M. 2d Term. (3)
Consequents of Redemption. M. 2d Term. (4)

Spring Quarter.

PROFESSOR JENSEN.*

Church Polity. M. 1st Term. (5)
New Testament Ethics. M. 1st Term. (6)

XLII. HOMILETICS AND PASTORAL DUTIES. (DAN.-NOR.)

Autumn Quarter.

PROFESSOR JENSEN.*

Theory of Preaching. M. 1st Term. (1)
Sermonizing and Preaching. DM. (2)
Pastoral Theology. 2d Term. (3)

ANNOUNCEMENTS FOR THE SWEDISH THEOLOGICAL SEMINARY.

XLV. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (SWEDISH.)

Autumn Quarter.

ASSISTANT PROFESSOR MORTEN.

Exegesis. The Gospels in Harmony. DM. (3)
The Epistle to the Romans. M. 1st Term. (5)
The Catholic Epistles. M. 2d Term. (6)

Spring Quarter.

ASSISTANT PROFESSOR MORTEN.

Exegesis. The Epistle of the Hebrews. M. 1st Term. (7)

XLVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES. (SWEDISH.)

Autumn Quarter.

PROFESSOR LAGERGREN.

Theological Preenotions. M. 1st Term. (1)

General Introduction. M. 2d Term. (2)

The Doctrine of Redemption and Salvation.
M. 1st Term. (6)

The Doctrine of the Church, or Church Polity.
M. 2d Term. (7)

Winter Quarter. Revised.

PROFESSOR LAGERGREN.

The Bible a Revelation from God. M. 1st Term. (3)

The Doctrine of God. M. 2d Term. (4)

The Last Things. M. 1st Term. (8)

Symbolics. M. 2d Term. (9)

Spring Quarter.

PROFESSOR LAGERGREN.

The Doctrine of Man. M. 1st Term. (5)

Pastoral Duties. M. 1st Term. (10)

XLVII. CHURCH HISTORY. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Ancient Church History. M. 1st Term. (1)

Mediæval Church History. M. 2d Term. (2)

Spring Quarter.

ASSISTANT PROFESSOR SANDELL.

Modern Church History. M. 1st Term. (3)

XLVIII. HOMILETICS. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Theoretical Homiletics. M. 1st Term. (1)

Practical Homiletics. M. 2d Term. (2)

Official and Semi-Official Organizations.

NOTE.—It has been decided to publish in the future numbers of the QUARTERLY CALENDAR brief abstracts of papers read at the meetings of the Union, the Philological Society, and the Departmental Clubs. The presiding officers of these associations are requested to announce this decision at the meetings of their club; and the secretaries are expected to send at their earliest convenience, to the Recorder's office, a report containing: (1). Date of regular meeting of the Club, and (2). List of officers elected for the current year. It shall also be the Secretary's duty to furnish to the Recorder the titles of articles to be presented to the Clubs at their next meeting, and to see that brief abstracts of these communications are sent to the Recorder's Office within ten days after the meeting of the Club.

OFFICERS OF THE UNIVERSITY ORGANIZATIONS.

1. *The University Union.*

President—William B. Owen, of the Classical Club.
Vice-President—Madeleine Wallin, of the History and Political Science Club.
Secretary and Treasurer—J. A. Smith, of the Mathematical Club.

2. *The Philological Society.*

President—Head Professor W. G. Hale.
Vice-President—Assistant Professor S. W. Cutting.
Secretary—Associate Professor F. F. Abbott.
Programme Committee—The President, Vice-President, and the Secretary, with Mr. W. B. Owen and Miss Susan R. Cutler, of the Graduate School.

The Society meets in Cobb Lecture Room, on the third Friday of each Term, 8:00 P.M.

3. *Departmental Clubs.*

(1) Biological Club.

President—Head Professor C. O. Whitman.
Vice-President—Professor H. H. Donaldson.
Secretary and Treasurer—Mr. A. D. Mead, who also represents the Club in the University Union.

Meetings: fortnightly.

(2) Church History Club.

President—A. W. Wishart.
Secretary—C. D. Case.

Meets on the first Tuesday evening of each month, in the Faculty Room.

(3) Classical Club.

President—Head Professor W. G. Hale.
Vice-President—Professor Paul Shorey.
Secretary—Miss S. Frances Pellett.
Executive Committee—The President, Vice-President, and the Secretary, with Mr. Arthur T. Walker and Miss Emily James Smith, of the Graduate School.

Meets monthly.

(4) English Club.

President—Assistant Professor Blackburn.
Secretary—Assistant Professor Tolman.
Delegate to the University Union—Mr. L. D. Milliman.
Programme Committee—The President, Secretary and Delegate.

The regular monthly meetings are held upon the fourth Monday, in Cobb Hall, Room B 10, at 8:00 P.M.

(5) Exegetical Club.

President—Harry Howard.
Secretary and Treasurer—L. D. Osborn.
Programme Committee—Professors Price, Burton, and Goodspeed.

Meets fortnightly on Tuesday evening, in D 16.

(6) History and Political Science Club.

President—Dr. Francis W. Shepardson.
Secretary—Miss Cora L. Scofield.
Delegate to the University Union—Miss Madeleine Wallin.

Executive Committee—Professor H. P. Judson, Mr. George Tunell, and Miss Madeleine Wallin.

The Club meets on alternate Wednesdays at 8:00 P.M., in the Faculty Room.

(7) Geological Club.

President—Charles H. Gordon.

Vice-President—Dr. E. Charles Quereau.

Secretary—E. Charles Perisho.

Meets fortnightly, Tuesdays at 4:00 P.M., in Walker Museum.

(8) Latin Club.

President—Dr. F. J. Miller.

Secretary—Harry W. Stone.

Representative in the University Union—Henry G. Gale.

Meetings—Monthly, beginning November 17, 8:00 P.M., at 5410 Madison av.

(9) Mathematical Club and Seminar.

Conducted by the Instructors of the Mathematical Faculty; meets fortnightly, Fridays at 3:00 P.M., in Room C 17.

Delegate to the University Union—J. Archie Smith.

(10) New Testament Journal and Essay Club.

President—Theophilus H. Root.

Vice-President—Head Professor Burton.

Secretary—E. C. Woodruff.

Delegate to the University Union—A. T. Watson.
Meets fortnightly on Wednesdays, from 2:00 to 4:00 P.M., in D 13.

(11) Physics Club.

This Club has not yet organized; but will do so, as soon as the Department has moved into its new quarters.

(12) Political Economy Club.

Honorary President—Head Professor Laughlin.

President—William Hill.

Secretary and Treasurer—Henry Rand Hatfield.

Delegate to the University Union—Dr. Thorstein B. Veblen.

Executive Committee—The President, Secretary, Miss Sadie M. Hardy, Mr. John Cummings, and Mr. Robert F. Hoxie.

(13) Semitic Club.

President—Associate Professor Ira M. Price.

Secretary—Edgar J. Goodspeed.

Delegate to University Union—John Byrd Whaley.

Meets on alternate Thursdays, at 7:30 P.M., in the Semitic Seminar Room.

(14) Social Science Club.

President—W. J. Thomas.

Vice-President—Miss Anna F. Davies.

Secretary and Treasurer—Daniel Fulcomer.

Delegate to the University Union—Miss Hannah B. Clark.

Meets in the Faculty Room, every alternate Monday, at 7:30 P.M.

4. *In addition to these Clubs the following Societies have organized:*

(1) Literary Society of the Danish-Norwegian Theological Seminary.

President—N. R. Larson.

Vice-President—H. M. Andersen.

Secretary—A. L. Brandsmark.

Programme Committee—N. S. Laudahl, C. P. Grarup, and M. Nielsen.

Meets every alternate Monday, 8:00 P.M., in D 9.

(2) The Missionary Society of the Divinity School of the University of Chicago.

President—E. A. Read.

Vice-President—C. A. Salquist.

Treasurer—E. G. Stucker.

Secretary—C. D. Case.

Meetings: every alternate Thursday Evening, in Chapel, Cobb Lecture Hall.

(3) Volunteer Band of the University of Chicago.

President—J. T. Proctor.

Secretary—Miss Nora Thompson.

Meets monthly in D 6.

THE UNIVERSITY CHAPEL.

The following Instructors in the University act as Chaplains for the period announced.

Oct. 1-8 President William R. Harper.

Oct. 9-15 Recorder C. R. Henderson.

Oct. 16-22 Professor J. L. Laughlin.

Oct. 23-29 Dean Judson.

Oct. 30-Nov. 4 Dean McClintock.

Nov. 5-11 Dean Hulbert.

Nov. 12-18 Professor T. J. Lawrence.

Nov. 19-25 Professor A. H. Small.

THE QUARTERLY CALENDAR.

Nov. 26-Dec. 1 Professor Ernest D. Burton.
 Dec. 2- 8 Professor Thomas C. Chamberlin.
 Dec. 9-15 Professor W. C. Wilkinson.
 Dec. 16-22 Professors Martha Foote Crow, and
 E. H. Moore.
 Jan. 1- 8 Professor G. Anderson.

Jan. 9-16 Assistant Professor J. H. Tufts.
 Jan. 17-22 Associate Professor G. S. Goodspeed.
 Jan. 23-30 Associate Professor Staggs.
 Feb. 1- 7 Assistant Professor Cutting.
 Chapel Services are from 12:30 to 1:00 p.m. every
 day, except Sundays.

THE EMPLOYMENT BUREAU.

Students who are registered with the Employment Bureau, and who will be available for down-town work for about ten days immediately before the holidays, should hand their names at once to the University Steward.

Students who desire to take up with the work of the Chicago City Directory next May should choose their courses with a view to vacation during the second term of the Spring Quarter, and should also report to the University Steward.

STUDENTS' FUND SOCIETY.

By the rules of the Students' Fund Society students may not make application for loans until they have been members of the University one Quarter. Students who have already fulfilled this requirement may

apply through Assistant Professor Tufts, Chairman of the Parietal Committee. Application blanks may be secured in the office of the Registrar.

The University Extension Division.

OCTOBER 1, 1893.

NOTE.—The University Extension Division offers instruction according to three different methods: (1) by Lecture-Studies with the usual features of syllabus, review, weekly exercise, and examination; (2) by Class Instruction in classes organized outside of the University, but within the limits of the City of Chicago, and meeting on Evenings and Saturdays; (3) by Correspondence.

The following is a list of the courses of instruction at present offered in the University Extension Division by each of these methods. This list will necessarily be modified as the demand for new courses arises.

For a complete account of the aims and methods of University Extension work consult the Circular of Information issued by the University Extension Division.

The numbers of the Departments correspond with those in the University proper.

THE LECTURE-STUDY DEPARTMENT.

NATHANIEL BUTLER, JR., *Secretary.*

II. POLITICAL ECONOMY.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.
Questions of Monopoly and Taxation.
Money.

III. POLITICAL SCIENCE.

MISS BROWN.

The United States; The Making of a Nation.

MR. CONGER.

Historical and Political Geography.

IV. HISTORY.

PROFESSOR LAWRENCE.

The [Growth of Democracy] among the English-Speaking Peoples.
The Beginnings of English Freedom.
Some Great English Rulers and Statesmen.
The Puritans and their Political Work.
English Parties and American Independence.

PROFESSOR TERRY.

An Introduction to the Study of History.
The Ethnic Foundation of Modern Civilization.
Political Foundation of Modern Civilization.

ASSISTANT PROFESSOR THATCHER.

The History of the Middle Ages.
Mohammed, Mohammedanism and the Crusades.

MR. GROSE.

The Political Development of the European Nations since 1792.
The Founding of the German Empire of To-Day.

Studies in the History of Europe from the French Revolution to the Present Time.

Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

MR. HODGIN.

American Discovery and Colonization.
American Revolutionary History.
The Great Compromises.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. POTTER.

The Colonial Era.
The Making of the Nation.

MR. WISHART.

Monks and Monasteries.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

ASSISTANT PROFESSOR HENDERSON.

Charities and Corrections.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.
The Native Races of North America.
Prehistoric Archæology of Europe.
Evolution.

MR. ZEUBLIN.

A Century of Social Reform.

The Industrial Revolution.
English Fiction and Social Reform.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Christianity and Social Science.
Means of Social Reform.

VII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

X AND XI. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.
Homer, the Iliad.
Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

DR. MILLER.

Virgil.

XIII. GERMANIC LANGUAGES AND LITERATURES.

ASSISTANT PROFESSOR CUTTING.

Goethe.

XIV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.
Ancient Tragedy for English Audiences.
Stories as a Mode of Thinking.
Spenser's Legend of Temperance.
Literary Criticism and Theory of Interpretation.
Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.
American Literature.

ASSISTANT PROFESSOR CROW.

Literature of the Age of Elizabeth: A Course
Preparatory to the Study of Shakespeare.
George Meredith.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

ASSISTANT PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.
English Romantic Poetry from 1780 to 1830.

MR. TRIGGS.

Robert Browning.

MR. HOOPER.

American Prose Writers.
American Poets.

MR. OGDEN.

English Words.
History and Structure of English Speech,
Old English Life and Literature.
American Poets and Poetry.

MISS CHAPIN.

General Survey of American Literature.
Masterpieces of English Poetry.

XV. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR HARPER.

The Stories of Genesis.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR HIRSCH.

Religion in the Talmud.
The Jewish Sects.
Biblical Literature.
History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old
Testament.
The Forgotten Empire and the Old Testament.

ASSISTANT PROFESSOR THATCHER.

The Apostolic Church.

DR. KENT.

Hebrew Prophecy studied in the Light of the
Minor Prophets.
Social Philosophy of the Hebrews.
Hebrew Wisdom Literature.

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.
Sources and Relations of the Four Gospels.
Jewish and Christian Writings parallel with, but
excluded from, Our Bible.

MR. ROOT.

The Life of Christ.

XVII. ASTRONOMY.

DR. SEE.
General Astronomy.

XVIII. PHYSICS.

ASSISTANT PROFESSOR STRATTON.
Sound.

MR. BELDING.
Elements of Electricity and Magnetism.

MR. CORNISH.
Hydrostatics and Pneumatics.

XIX. CHEMISTRY.

MR. MORSE.
General Chemistry.
Chemistry of Every-day Life.

XX. GEOLOGY.

PROFESSOR SALISBURY.
Landscape Geology.
The Evolution of the North American Continent.

XXII. ZOÖLOGY.

MR. BOYER.
Zoölogy.

MICROSCOPY.

MR. MORSE.
The Microscope and its Uses.

ART.

MR. FRENCH.
Painting and Sculpture.

MR. TAFT.
Ancient Sculpture.
Contemporary French Art.
German Art of the Nineteenth Century.
Art at the Columbian Exposition.

MR. SCHREIBER.
History of Art.

RUSSIAN LITERATURE.

MR. HOURWICH.
Studies in Russian Literature.

THE CLASS-WORK DEPARTMENT.

RICHARD WATERMAN, JR., *Secretary.*

NOTE.—The following is a list of the titles of Evening and Saturday Courses offered by University instructors. Whenever ten or more students apply for instruction in the same subject, and agree upon a place and time of meeting, a class in that subject is organized.

In the list, Academy courses are designated by a letter, and College courses by a number. The number refers in every case to the announcement of the same course in the University proper and thus shows what regular courses are duplicated.

I. PHILOSOPHY.

Introductory Course: Logic. DM. (1)
Introductory Course: Psychology. DM. (2)

II. POLITICAL ECONOMY.

Principles of Political Economy. DM. (1)

III. POLITICAL SCIENCE.

Political Geography. DM. (14)
Civil Government in the United States. Preliminary Course. DM. (12)

IV. HISTORY.

Greek History to the Death of Alexander. DM. (a)
Roman History from the Founding of the City to the Death of Augustus. DM. (b)
United States History. M. (c)

Outline History of Europe from the Invasions of the Barbarians to the death of Charlemagne. M. (47a)

Outline History of Europe from the death of Charlemagne to the fall of Constantinople. M. (47b)

The Modern Period. An outline study of the history of Europe from the Reformation. DM. (48)

Outline History of the United States. From the adoption of the Constitution to the outbreak of the Civil War. DM. (46)

The History of Europe since 1815. DM.

The Political and Constitutional History of the United States. From the formation of the Confederation to the War of the Secession. DM.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

General Anthropology. Outlines of the Science. DM. (4)

VII. SEMITIC LANGUAGES AND LITERATURES.

Hebrew Language. DM. (1)

Isaiah, Chapters XL-LXVI. M. (23)

X. THE GREEK LANGUAGE AND LITERATURE.

Beginners' Course. DM. (a)

Beginners' Course. Continuation of Course. (a)
DM. (b)

Homer. The Iliad, Book I. DM. (c)

Homer. Selections from the Odyssey. DM. (5)

XI. THE LATIN LANGUAGE AND LITERATURE.

Beginners' Course. DM. (a)

Beginners' Course. Continuation of Course (a)
DM. (b)

Cicero. DM. (c)

Virgil. Book I. DM. (d)

Teachers' Training Course. M.

XII. ROMANCE LITERATURE AND PHILOLOGY.

French Grammar. For beginners. DM. (29)

French. Selections from Musset, Lamartine, and
Mérimée. DM. (31)

XIII. GERMANIC LANGUAGES AND LITERATURES.

Elementary German. For beginners. DM. (a)

German Comedies. DM. (20)

XIV. THE ENGLISH LANGUAGE AND LITERATURE, AND
RHETORIC.

Grammar and Reading. DM. (a)

Rhetoric and Composition. DM. (1)

English Literature. A general course in English
Masterpieces. DM. (3)

Shakespeare. DM. (15)

English Literature of the Nineteenth Century. Se-
lected poets. DM. (21)

XV. BIBLICAL LITERATURE IN ENGLISH.

Studies in the Apostolic History, with special at-
tention to the life of the Apostle Paul. M. (6)

Old Testament Wisdom Literature. DM. (2b)

XVI. MATHEMATICS.

Algebra, for beginners. DM. (a)

Algebra, for beginners. A continuation of Course (a)
DM. (b)

Plane Geometry, for beginners. DM. (c)

Plane and Solid Geometry. A continuation of Course
(c) DM. (d)

Solid Geometry. DM. (e)

Plane Trigonometry. M. (2)

Spherical Trigonometry. M. (3)

Plane Analytic Geometry. DM. (4b)

XVII. ASTRONOMY.

General Astronomy. DM. (11)

XVIII. PHYSICS.

Elementary Physics. Lessons and laboratory work.
DM. (a)

Elementary Physics. Continuation of Course (a)

XIX. CHEMISTRY.

Elementary Chemistry. Lessons and laboratory work.
DM. (a)

XX. GEOLOGY.

Outlines of Historical Geology. M. (a)

Geographic Geology. M. (10a)

XXI. BOTANY.

Introductory Course. Lessons and laboratory work.
DM. (a)Elementary Botany. Lectures and laboratory work.
DM.

XXII. ZOOLOGY AND PALEONTOLOGY.

Elementary Zoölogy. Invertebrates. DM. (5)

XXVI. ELOCUTION.

Reading. A normal course. M.

CORRESPONDENCE TEACHING DEPARTMENT.

OLIVER J. THATCHER, *Secretary.*

NOTE.—Instruction by correspondence may be either formal or informal. In formal correspondence, the work is carried on in much the same way as in the class room, by means of a definite number of lesson and recitation papers. In informal correspondence, no formal lesson papers are given. The work to be done is carefully planned by the instructor, the necessary directions are given, and ordinarily a thesis or paper is required of the student, who is free at all times to ask for help and advice as difficulties arise. This method is employed only with graduate students.

I. PHILOSOPHY.

Psychology. MM.

Logic. M.

Assistant Professor Tufts offers instruction by informal correspondence in the History of Philosophy.

II. POLITICAL ECONOMY.

Principles of Political Economy. MM.

III. POLITICAL SCIENCE.

Professor Judson offers instruction by informal correspondence in Political Science.

IV. HISTORY.

Roman History to the Death of Augustus. M.

Greek History to the Death of Alexander. M.

History of the United States. M.

The History of Europe till the Accession of the Tudors. MM.

The History of Europe from the Invasion of the Barbarians till the Death of Charlemagne. M.

The Period of Discovery and Exploration. M.

The Colonial Period and the War of the Revolution. MM.

The Political History of the Confederation, from the union of the Colonies against Great Britain to the formation of a National Government. M.

The Political History of the United States, from the formation of the National Government to the period of dominant foreign politics (1789-1815). M.

The Political and Constitutional History of the United States, from the formation of the Confederation to the War of Secession, continued. M.

Dr. Shepardson offers instruction by informal correspondence in the History of the United States.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

The Methodology of Social Science. Open only to those who read both French and German fluently. MM.

Introduction to the study of the Dependent, Defective, and Delinquent Classes, and their Social Treatment. Two consecutive Majors.

The Family. M.

Non-economical and non-political Social Groups. M.

VII. SEMITIC LANGUAGES AND LITERATURES.

Beginning Hebrew. M.

Intermediate Hebrew. M.

Exodus and Hebrew Grammar. M.

Haggai, Zechariah, and Malachi, with Hebrew Syntax. M.

Arabic for beginners. M.

Assyrian for beginners. M.

Professor Harper offers instruction by informal correspondence in Hebrew.

VIII. BIBLICAL AND PATRISTIC GREEK.

Beginning New Testament Greek. M.

Intermediate New Testament Greek. M.

The Acts of the Apostles. M.

Professor Burton offers instruction by informal correspondence in the Greek New Testament.

IX. SANSKRIT AND INDO-EUROPEAN PHILOLOGY.

Sanskrit for beginners. MM.

X. GREEK LANGUAGE AND LITERATURE.

Greek Primer for Beginners. Two consecutive Majors.

Xenophon's Anabasis, Books II-III. MM.

Xenophon's Anabasis, Books IV-V. MM.

Homer's Iliad, I Book. MM.

Homer's Iliad, Books II-IV. MM.

Xenophon's Memorabilia. MM.

Lysias, Selected Orations, History of Greek Prose Literature. MM.

Professor Shorey offers instruction by informal correspondence in Greek.

XI. THE LATIN LANGUAGE AND LITERATURE.

Latin Primer for Beginners. Two consecutive Majors.

Cæsar, Book II. MM.

Cæsar, Books III-IV. MM.

Cæsar, Book I. advanced. M.

Cicero. MM.

Cicero. MM.

Virgil, Book I. MM.

Virgil, Books II-III. MM.

Virgil, Books IV-VI. MM.

Cicero, De Senectute. Writing of Latin. MM.

Livy, Selections. Writing of Latin. MM.

Odes of Horace. Books I-II. MM.

XII. ROMANCE LITERATURE AND PHILOLOGY.

French for Beginners. MM.

A thorough course in Spanish Grammar with extensive readings. Two consecutive Majors.

XIII. GERMANIC LANGUAGES AND LITERATURES.

German for Beginners. MM.

German, advanced. MM.

Assistant Professor Cutting offers instruction by informal correspondence in German Literature.

XIV. THE ENGLISH LANGUAGE, LITERATURE, AND RHETORIC.

Rhetoric and Composition. MM.

Outline History of English Literature and the Study of Masterpieces. MM.

Studies in Tennyson. M.

Studies in Browning. M.

Studies in Matthew Arnold and Rosetti. M.

Studies in Shakespeare. MM.

English Romantic Poetry from 1750-1830. Studies in Cowper, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, etc. MM.

XV. BIBLICAL LITERATURE IN ENGLISH.

Samuel, Saul, David, and Solomon. M.

The Life of Christ in connection with the Gospel of Luke. M.

The Gospel of John. M.

The Founding of the Apostolic Church. First Half. M.

XVI. MATHEMATICS.

Algebra in three successive Majors.

Plane Geometry in three successive Majors.

Solid Geometry. M.

College Algebra. MM.

Theory of Equations. M.

Plane Trigonometry. MM.

Special Trigonometry. M.

Analytic Geometry. MM.

Calculus. Two Consecutive Majors.

Analytic Geometry, advanced course. MM.

Analytic Mechanics. MM.

Differential Equations. Two Consecutive Majors.

Professor Moore offers instruction by informal correspondence in higher Mathematics.

LIBRARY DEPARTMENT.

ZELLA ALLEN DIXSON, *Secretary.*

NOTE.—The following is a list of the traveling libraries now ready, named in connection with the courses they respectively accompany. The numerals in parenthesis indicate the number of libraries for the courses.

II. POLITICAL ECONOMY,

ASSOCIATE PROFESSOR BEMIS.

Money. (1)

Methods of Social Reform. (4)

Labor Question. (2)

IV. HISTORY.

PROFESSOR T. J. LAWRENCE.

English Parties and American Independence. (1)

Some Great English Statesmen and Rulers. (1)

ASSISTANT PROFESSOR O. J. THATCHER.

History of the Middle Ages. (3)

MR. HOWARD B. GROSE.

Political Development of the European Nations
since 1792. (1)

PROFESSOR H. P. JUDSON.

American Politics; The Period of Dominant Foreign Influence. (2)

American Politics; The Period of Dominant Internal Development. (1)

DR. F. W. SHEPARDSON.

American Colonial History. (2)

MR. _____

American Revolution. (1)

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

ASSISTANT PROFESSOR HENDERSON.

Charities and Corrections. (2)

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress. (4)

Native Races of North America. (2)

MR. CHARLES ZEUBLIN.

Social Reform in Fiction. (2)

Century of Social Reform. (1)

XIV. ENGLISH.

ASSOCIATE PROFESSOR NATHANIEL BUTLER, JR.

English Literature. (2)

American Literature. (3)

MR. _____

Four English Novelists. (3)

Some English Poets of the Victorian Era. (2)

English Essayists from Bacon to Lamb. (1)

XV. BIBLICAL LITERATURE IN ENGLISH.

ASSOCIATE PROFESSOR IRA M. PRICE.

Monumental Witnesses. (1)

XX. GEOLOGY.

PROFESSOR ROLLIN D. SALISBURY.

Landscape Geology. (1)

THE TRAINING DEPARTMENT.

T. J. LAWRENCE, *Secretary.*

The rapid growth of the University Extension Movement has revealed the urgent necessity for trained instructors. With the new field offered by this movement, and with the special sphere of activity engendered thereby, what is practically a new profession has been created.

The Training Department assists graduate students and others in preparing for this special work, by providing facilities whereby they may acquaint themselves with its pedagogical features. Opportunity for obtaining some knowledge of the practical side of the work will be offered as far as possible.

TIME SCHEDULE

FOR THE WINTER QUARTER, 1894.

Full descriptions are given in the Calendar and Register. Numbers in **bold-face type** are Academic College Courses.

	8:30	9:30	10:30	11:30	12:30	2:00	3:00	4:00	*
I A. Philosophy. K. C13-17		10	4, 5	7					
I B. Apologetics and Ethics. C13-17			2, 3						
II. Political Economy. C3-8	1A, 1B 2, 1A, 1B	11, 2	5, 7	9	12	19	18		
III. Political Science. C1, 9, 10, 12		3	5, 15	8, 13			1		
IV. History. C5-8	11		39 41	23		19 42	2a, 2b, 34		
V. Social Sci. and Anthrop. C2, 10-12	25	27	12	7	17	3		23	
VI. Comparative Religion. D 16						2			
VII. Semitic. D 12-16	1	68, 69 4, 71,	32	88	44, 48	21, 23 43, 69, 71			
VIII. Biblical Greek. D 10-12	25		vii. 32						
IX. Sanskrit and Comp. Philol. B2-8			2					5	
X. Greek. B2-8	1	9	14, 16			1		6, 20	
XI. Latin. B2-8	24 1, 3C		32 8C	13 9		1, 3C		43	
XII. Romance. B 12-16	13b 31	1, 9, 13	5, 20	21, 22	30	14 31			
XIII. Germanic. B 9-11	18	20 21		19	1	4 18	9		

CHAPEL EXERCISES

	8:30	9:30	10:30	11:30	12:30	2:00	3:00	4:00	*
XIV. English. K		10	6, 12, 21, 37	21	CHAPEL EXERCISES.				
XV. Bib. Lit. in English. D10-12				B11, B12		26, 36 1A	17, 24	32	4, 28
XVI. Mathematics. R	7, 16	14 1a, 1d, 5	18, 21 1c	6 1c		B8, B9 B2			
XVII. Astronomy. R						1b, 1f			
XVIII. Physics. R	5			2		2	6	8, 11	10
XIX. Chemistry. K	9, 16, 21	18		1, 6 1		1, 3a 1	1 1	1 1	4, 5, 10, 12, 14 1
XX. Geology. W		1	2 ²	12					4, 6, 9, 13, 14, 15, 19, 20, 23, 25
XXI. Botany.									
XXII. Zoology. S	1	9	4 5						3, 10, 11
XXIII. Anatomy. S						1			
XXIV. Physiology. S		1 1							5, 6, 7
XXV. Neurology. S	2								3, 6
XXVI. Elocution.	See	Special	Bulletins.			See	Special	Bulletins.	
XXVII. Physical Culture. Gymnasium.	See	Special	Bulletins.			See	Special	Bulletins.	

* The times of courses mentioned in this column will be announced by Special Bulletins or by the instructor when the classes are formed.

ORDER OF EXAMINATIONS FOR ADMISSION, DECEMBER, 1893.

WEDNESDAY, DECEMBER 20.

MORNING.				AFTERNOON.			
Latin 3)	-	-	-	9:00—10:00	Advanced German	-	2:00—4:00
Latin 1)	-	-	-	10:00—10:45	Elementary German	-	2:00—3:00
History of the United States	-	-	-	10:45—11:30	Greek 4)	-	3:00—4:00
History of Greece	-	-	-	11:30—12:15	Algebra	-	4:00—5:00
Latin 2)	-	-	-	12:15—12:45			

THURSDAY, DECEMBER 21.

Greek 3)	-	-	-	9:00—10:00	English	-	2:00—3:30
Advanced French	-	-	-	9:00—11:00	Solid Geometry	-	3:30—4:15
Elementary French	-	-	-	10:00—11:00	History of Rome	-	4:15—5:00
Greek 1)	-	-	-	11:00—12:15			

FRIDAY, DECEMBER 22.

Plane Geometry	-	-	-	9:00—10:00	Latin 4)	-	1:30—2:45
Physics	-	-	-	10:00—12:00	Latin 5)	-	2:45—3:30
					Greek 2)	-	3:30—4:00
					Geology, Astronomy, Physiography	-	1:30—2:30
					Biology	-	2:30—3:30
					Chemistry	-	3:30—5:30

EXAMINATIONS FOR ADMISSION, MARCH, 1894. MARCH 21, 22 AND 23.

EXAMINATIONS FOR ADMISSION, JUNE, 1894. JUNE 20, 21 AND 22.

EXAMINATIONS FOR ADMISSION, SEPTEMBER, 1894. SEPTEMBER 19, 20 AND 21.

STATED MEETINGS.

THE BOARD OF TRUSTEES holds stated meetings on the last Tuesday of each month.

THE VARIOUS FACULTIES hold stated meetings as follows:

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE, on the third Thursday.

THE FACULTY OF THE DIVINITY SCHOOL on the second Thursday.

THE UNIVERSITY EXTENSION FACULTY, on the first Thursday.

THE SENATE holds stated meetings on the first Friday.

THE COUNCIL holds stated meetings on the second Friday.

THE UNIVERSITY ADMINISTRATIVE BOARDS hold stated meetings monthly as follows:

OF THE UNIVERSITY PRESS, on the third Friday.

OF LIBRARIES, LABORATORIES, AND MUSEUMS, on the fourth Friday.

OF AFFILIATIONS, on the fourth Thursday.

OF PHYSICAL CULTURE AND ATHLETICS, on the first Thursday.

THE FACULTY ADMINISTRATIVE BOARDS hold stated meetings as follows:

OF THE ACADEMIC COLLEGES, on the first Wednesday.

OF THE UNIVERSITY COLLEGES, on the second Wednesday.

OF THE OGDEN (GRADUATE) SCHOOL OF SCIENCE, on the third Wednesday.

OF THE GRADUATE SCHOOL OF ARTS AND LITERATURE, on the fourth Wednesday.

THE REGULAR UNIVERSITY EXAMINATIONS are held in each subject at the hour of the last exercise of the term (or the quarter) in that subject. EXAMINATIONS FOR ADVANCED STANDING will be held on the second day of each quarter.

THESES OF CANDIDATES for higher degrees must be presented two months before the end of the student's work.

NOTE 1.—Term examinations will be held regularly in the middle and at the end of each Quarter.

QUARTERLY CALENDAR

OF

The University of Chicago

FOUNDED BY JOHN D. ROCKEFELLER

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CHICAGO

The University Press of Chicago

1894

PART I—RECORDS.

The University in General.

THE PROCEEDINGS OF THE FIFTH UNIVERSITY CONVOCATION, JANUARY 2, 1894.

THE CONVOCATION SERMON: JESUS CHRIST IN HIS RELATION TO MAN, JANUARY 7, 1894.

The Convocation Sermon was preached by Reverend Lathan A. Crandall, D.D., from John xvii. 22.*

THE CONVOCATION ADDRESS: THE CHEMICAL LABORATORY.

BY IRA REMSEN, M.D., PH.D., LL.D., Professor of Chemistry in the Johns Hopkins University.†

LADIES AND GENTLEMEN :

Last evening the Kent Chemical Laboratory was dedicated with appropriate exercises. The beautiful building was thrown open to inspection, and many passed through its rooms expressing admiration. Its plans were explained and a general account was given of the uses to which it is to be put. Honor, "as is most justly due," was paid to the generous donor, whose name from this day forth will be intimately associated with progress in Chemistry in this country. The exercises of yesterday have led by an easy step to those of to-day, and a chemist is called upon to give the Convocation address. What theme more natural to him, or more appropriate, than "The Chemical Laboratory?" It is to this theme that I ask your attention. My purpose is to treat the chemical laboratory, not from the material point of view, but in its broader aspects, as far as I may find this possible. I shall attempt to answer briefly three questions, and these are :

1. When and how did chemical laboratories come to be established in universities?
2. What part have chemical laboratories played in the advancement of knowledge?
3. What are the legitimate uses of the chemical laboratory of a university at the present time in this country?

The first laboratory ever erected for the teaching of chemistry,—indeed the first laboratory for teaching any branch, was that of the University of Giessen, Germany, which owed its existence to the enthusiasm of Liebig. The story is an interesting one, and especially instructive on an occasion such as this. Liebig was born in the year 1803. According to his own account he had a hard time of it in the schools. He says: "My position at school was very deplorable; I had no ear-memory and retained nothing or very little of what is learned through this sense. I found myself in the most uncomfortable position in which a boy could possibly be; languages and everything that is acquired by their means, that gains praise and honor in the school, were out of my reach; and when the venerable rector of the gymnasium, on one occasion of his examination of my class, came to me and made a most cutting remonstrance with me for my want of diligence,—how I was the plague of my teacher and the sorrow of my parents, and what did I think was to become of me,—and I answered him that I would be a chemist, the whole school and the good old man himself broke into an uncontrollable fit of laughter, for no one at that time had any idea that chemistry was a thing that could be studied."

This was truly an unpropitious beginning, yet this butt of his school was soon contributing more to the

* At the Hyde Park Presbyterian Church, 7:30 P.M.

† Delivered at Central Music Hall, January 2, 1894, it being the Formal Address in connection with the Opening of the Kent Chemical Laboratory, the proceedings of which are recorded on p. 20.

development of Chemistry than any one ever had before or than any one ever has since. Filled with the determination to study chemical things and phenomena, he left the school where he had been such a failure, and entered an apothecary shop, but at the end of ten months the proprietor was so tired of him that he sent him back to his father. As Liebig said, he wanted to be a chemist, not a druggist. He must have been about fifteen years of age when, in spite of his inadequate preparation in languages, he was received as a student in the University of Bonn, and from here a little later he went to Erlangen. But he appears not to have been much better satisfied at the university than he was in the apothecary shop. He speaks almost with contempt of the teachers under whom he studied. "It was then a very wretched time for chemistry in Germany," he says. "At most of the universities there was no special chair of chemistry; it was generally handed over to the professor of medicine, who taught it, as much as he knew of it, and that was little enough, along with the branches of toxicology, pharmacology, *materia medica*, practical medicine, and pharmacy." Referring to the equipment of the universities for the teaching of chemistry he says: "I remember, at a much later period, Professor Wurzer, who had the chair of chemistry at Marburg, showing me a wooden table-drawer, which had the property of producing quicksilver every three months. He possessed an apparatus which mainly consisted of a long clay pipe-stem, with which he converted oxygen into nitrogen by making the porous pipe-stem red hot in charcoal, and passing oxygen through it. Chemical laboratories, in which instruction in chemical analysis was imparted, existed nowhere at that time. What passed by that name were more like kitchens fitted with all sorts of furnaces and utensils for the carrying out of metallurgical or pharmaceutical processes. No one really understood how to teach it."

After a comparatively short sojourn in Erlangen, Liebig returned home fully persuaded that he could not attain his ends in Germany. Some of the young men of that time had gone to Stockholm to study chemistry, attracted thither by the fame of the great Berzelius. But Liebig decided in favor of Paris. He was then seventeen and a half years old and, as we have seen, he could not have been well prepared in chemistry, yet in a short time after his arrival he made such an impression on Alexander von Humboldt that he was admitted to the laboratory of one of the most brilliant chemists of the day—Gay Lussac. He had previously begun an investigation on certain fulminating compounds to which his attention was first

directed in a curious way at his home in Darmstadt.

Let me again use his own words: "In the market at Darmstadt I watched how a peripatetic dealer in odds and ends made fulminating silver for his peacrackers. I observed the red vapors which were formed when he dissolved his silver, and that he added to it nitric acid, and then a liquid which smelt of brandy, and with which he cleaned dirty coat collars for the people." Gay Lussac gladly joined him in the investigation, and he gratefully refers to this opportunity. He acknowledges that the foundation of all his later work was laid in Gay Lussac's laboratory.

And now to the main point. When Liebig was in his twenty-first year he received an appointment to a professorship of chemistry at Giessen through the influence of von Humboldt. His opportunity had come. He determined to have a laboratory for teaching. The great advantages he had reaped from his contact with Gay Lussac showed him clearly that if students were to study chemistry at all it must be in a well-equipped laboratory in contact with a teacher. And so the first laboratory was built, and became one of the great forces of the world. Soon students flocked to the little university from all parts of the civilized world, and the most flourishing and powerful school of chemistry that has ever existed was rapidly developed. One of the most brilliant pupils of this school, the late Professor Hofmann, of Berlin, in speaking of its influence says: "The foundation of this school forms an epoch in the history of chemical science. It was here that experimental instruction such as now prevails in our laboratories received its earliest form and fashion; and if, at the present moment, we are proud of the magnificent temples raised to chemical science in all our schools and universities, let it never be forgotten that they all owe their origin to the prototype set up by Liebig." The foundation of this school marked an epoch not only in the history of chemical science but in the history of science. The great success of this laboratory led naturally to the building of others, and in a comparatively few years a chemical laboratory, at least, came to be regarded as essential to every university. At first these were of necessity modest affairs. One of the earliest was that at Tübingen, in regard to which a curious fact may be mentioned. It appears that the ground available for Liebig's laboratory in Giessen was not altogether well adapted to its purpose, and in consequence, one of the larger working-rooms received light only from one side. When the laboratory of Tübingen was built later, that at Giessen was copied in every detail even to the

dark room, notwithstanding the fact that there were no buildings in the immediate neighborhood, and light in abundance was available.

As time passed, the era of the palatial laboratory was introduced. Probably we shall be very near the truth if we fix the responsibility of this era upon Bonn. Hofmann was called to Bonn from England, whither he had first gone under the most flattering conditions, and, before accepting the new call, he had, no doubt, received promises with reference to a laboratory. At all events, a building was erected, much finer than anything in the way of a laboratory that had ever appeared. As is customary in Germany, the professor's dwelling-rooms were in the building, and so beautiful were all the arrangements, that when the King of Prussia passed through at the time of the formal opening, he is said to have remarked, "I should like to live here myself." Soon after this Hofmann built the laboratory at Berlin, and again magnificence was the order of the day. Statues, and carvings, and tiles, and frescoes, took their place in the laboratory, and since then in Germany and France and Austria and Switzerland immense sums have been expended in the erection not only of chemical, but of physical, and physiological, and petrographical, and anatomical, and pharmacological, and geological laboratories. While of late years there has perhaps been a reaction, and a tendency to somewhat simpler buildings than those that at one time were the fashion, it is still true that the laboratories are semi-palatial, and a strict economist might find ground for complaint, claiming that results as good might have been obtained at smaller cost. It would hardly be profitable to discuss this point here. In this country we cannot be said in general to have been extravagant in building laboratories; certainly not, if we keep the European standard in mind. Most of the larger laboratories in this country are modest in their fittings, and the strictest economist could hardly find fault.

If we had the power to estimate the value of the work that has been done for the world by the scientific laboratories, it is certain that the money spent for them, however great the sum may be, would appear to us ridiculously small. The scientific method, as it is called, has been spread among men and has changed the whole aspect of things. The influence of the laboratory is felt in every branch of knowledge. The methods of investigation have changed, and everywhere the scientific method has been adopted. Who can tell what an enormous influence this has already had upon the thoughts and actions of men, and what still greater influence is to be exerted? The laboratory has impressed upon the world the truth that in

order to learn about anything it will not suffice to stand aloof and speculate, and that it is necessary to come into as close contact with that thing as possible. When the old philosopher wished to solve a problem, his method was to sit down and think about it. He relied upon the workings of his brain to frame a theory, and beautiful theories were undoubtedly framed, and many of these, probably all of those which had reference to natural phenomena, were far in advance of facts known, and often directly opposed to facts discovered later. Minds were not hampered by facts, and theories grew apace. The age was one of mental operations. A beautiful thought was evidently regarded as something much superior to knowledge. We have not learned to think less of beautiful thoughts or of mental processes, but we have learned to think more of facts, and to let our beautiful thoughts be guided by them.

And how did this come about? It is curious that the scientific method of work, which is altogether the simplest, should be the last to be adopted by the world as it is by individuals. It would be impossible to determine all the causes that have led to this result, but one of the immediate causes is undoubtedly to be found in the fact that, at an early period in the history of the world, those who worked with their hands came to be looked upon as inferior to those who worked with their heads alone. This operated powerfully to keep those who were best fitted to advance knowledge, from adopting the simplest method, viz., that of studying things. One who engaged in experiment did it surreptitiously, or lost caste.

Probably the most powerful force that first led men to experiment systematically was the conception of the philosopher's stone, and out of the labors of the alchemists sprang experimental science. Strange as it may seem, it was the love of gold that led to the development of scientific methods of investigation. In some way, probably through superficial observations, men came early to think it possible that the ordinary or base metals could be transformed into gold, and with this idea came the desire to experiment on the subject, and experiments on this subject have been kept up until the present century. So that in one sense, certainly, it is not true that "the love of money is the root of all evil." While much folly was committed in the name of alchemy—as much folly is committed to-day in the name of chemistry, and of medicine, and of other lines of work,—it is clear that the true alchemist was as ardent a worker as the world has perhaps ever seen; he was engaged in experimenting. He was teaching the world that the way to a correct knowledge of nature lies not in philosophy alone

but through coming in contact with the things of nature, and becoming personally acquainted with them. Paracelsus speaks of the alchemists of his time thus: "They are not given to idleness, nor go in a proud habit, or plush or velvet garments, often showing their rings upon their fingers, or wearing swords with silver hilts by their sides, or fine and gay gloves upon their hands, but diligently follow their labors, sweating whole days and nights by their furnaces. They do not spend their time abroad for recreation, but take delight in their laboratory. They wear leather garments with a pouch, and an apron where-with they wipe their hands. They put their fingers among coals, and into clay, not into gold rings. They are sooty and black like smiths and colliers, and do not pride themselves upon clean and beautiful faces."

This is certainly the picture of a hard worker, and as such we must look upon the alchemist. The work done by the alchemists was chemical work. It was allied very closely to the work done by chemists now-a-days. They hoped to find the philosopher's stone among chemical substances, and the transformation they hoped for was to be accomplished by a chemical method. They consequently devoted themselves to careful study of all known chemical substances, and in further studying the action of these substances upon one another they came into possession of new facts. There can be no doubt that we owe to the alchemists not only the foundation of chemistry, but the foundation of experimental science. In our superior way we smile at their futile labors to discover the philosopher's stone, but the tremendous results reached by them must not be lost sight of. The theory of the philosopher's stone was shown to be a false theory; but what of that? Probably many of the theories now held are false, but they are none the less valuable. An idea is of value if it leads to active work. Working hypotheses are the stepping stones of intellectual progress. The philosopher's stone was more than a stepping stone—it was a magnificent bridge. "Any idea," says Liebig, "which stimulates men to work, excites the perceptive faculty, and brings perseverance, is a gain for science, for it is work that leads to discoveries. The most lively imagination, the most profound wisdom, is not capable of suggesting a thought which could have acted more powerfully and lastingly upon the mind and powers of man than did the idea of the philosopher's stone. Without this idea chemistry could not exist to-day in its present perfection."

Let us now turn from the past to the present, and inquire, What is the province of a chemical laboratory in a university in this country? The first chem-

ical laboratories had for their sole object the training of chemists, and consequently, the methods adopted in them were adapted to this end alone. Afterwards, and indeed only quite recently, the importance of laboratory training in chemistry for those looking forward to the study of medicine came to be recognized; and, still later, the idea that such training might be made a valuable part of a general education appeared. At present, then, a chemical laboratory is called upon to furnish opportunities, (1) for the general student who does not expect to become either a technical chemist or a teacher of chemistry; (2) for the medical student; (3) for him who expects to devote himself to the practice of chemistry either in a chemical factory or in an analytical laboratory; and (4) for him who is to devote his life to teaching and investigation. In addition to furnishing these opportunities, it should also be a place in which investigation is constantly carried on by the teachers and advanced students.

As regards the teaching of chemistry to general students much might be said, but it will be possible to touch upon only a few points on this occasion. Most of the teaching is of this kind, and the subject is under active discussion. There can be no question that much of the work done in schools and colleges is highly unsatisfactory, many of the courses which are called scientific are most unscientific, and the student is often more harmed than benefited by his work. If a course in a science, whatever that science may be, does not tend in some degree to develop a scientific habit of mind in the student, it is not serving its legitimate purpose. If the experience of twenty-one years in teaching in college and university in this country is worth anything, your speaker, who has during that time had to deal with many students from all parts of the country, is justified in asserting that the minds of students who enter college are very far from being scientific, and the same can be said of most of those fresh from the colleges. By a scientific mind is meant one that tends to deal with questions objectively, to judge things on their merits, and that does not tend to prejudge every question by the aid of ideas formed independently of the things themselves. Perhaps an anecdote, though trivial, will make this clearer. In a book used by my classes for a number of years, there was one error that served as a simple test of the condition of the students' minds. In the directions for performing a certain experiment, the statement was made that a blue solution would result at one stage. As a matter of fact, the solution referred to was always a bright green. Each student being required to write out an accurate description of what he had seen, each one

in turn for a series of years described the green solution as blue, disregarding the evidence of his senses, and accepting the evidence of the printed word as more reliable. Occasionally one would appear whose conscience was troubled by the discrepancy, and who would boldly assert that the book must be wrong, but the number of these exceptions was insignificant. Surely this tendency to disregard the evidence of the senses is one that in the great majority of cases can be overcome. It would be better if it did not exist at all, and it probably would not exist if our educational methods were what they should be. We need teachers properly trained for carrying on scientific courses in our schools and colleges, and one of the most important branches of work in a university is the training of such teachers. Many of the courses in the schools and colleges are at present too ambitious. The attempt is made in them to do in a small way just what is done in a large way in the most advanced courses in universities. Instead of being what they should be, school courses and college courses, they are reduced university courses. Young men who have had the advantages of advanced courses feel so plainly the benefits they have received, that they naturally wish their own students in turn, whatever their ages may be, to get the same benefits. But time will not permit further discussion of this topic, and the main object in referring to it at all is to make it clear that the university laboratory has a great field of work in connection with the improvement of methods of teaching chemistry.

The teaching of chemistry to medical students suggests a number of thoughts, but they are rather of a special character, and this branch of our subject may be passed over with the remark that there is practical agreement as to this point, that what the medical student most needs at first is good scientific training, and that a course in general chemistry is well suited to this purpose. The most recently established medical schools require training in chemistry as one of the conditions of matriculation, and it is distinctly understood that it is chemistry, and not medical chemistry nor physiological chemistry, that is wanted.

The relation of the science of chemistry to the chemical industries is suggested by the next division of the subject. Here a most instructive object lesson was afforded during the past summer by a visit to the chemical exhibits in Jackson Park, where for the time being the products of the earth were concentrated. If you had had an intelligent chemical guide he would have pointed out many an interesting product from England, France, Russia, Italy, and this country, but his enthusiasm would have been reserved for the ex-

hibit of the German chemical industries. He would have pointed out a great variety of beautiful and valuable products, and you would, I am sure, have carried away with you the conviction that the Germans excel the world in this line of work. The reason is not hard to find. It has often been discussed, but it would not be right to let this opportunity pass without again calling attention to it. Those who are familiar with the subject do not hesitate to acknowledge that the reason why the chemical industries have reached such a flourishing condition in Germany is that the pure science has been so assiduously cultivated. The value of pure science in the industries has long been recognized there, much more clearly than in any other country, and the scientific method has become established in the factories much to their advantage. Men deeply versed in pure chemistry, whose minds have been clarified by training in the university laboratories, are eagerly sought for in the factories. So thoroughly convinced are the Germans of the value of pure science for the industries that, in the polytechnic schools, the plan of instruction in chemistry is essentially the same as in the universities, and some of the best purely scientific work is done in the laboratories of these polytechnic schools. We, in this country, have yet to learn the importance of this relation between science and industry, though undoubtedly some progress has been made in this line. We still endeavor to make iron and steel chemists, and soap chemists, and sugar chemists, and turn out hosts of raw products that are not worth their salt. Training along such narrow lines is a positive injury to the students. They are the victims of false pretenses. Let the training be as broad as possible and as thorough as possible, and the student will at least not be crippled, when he ought to be strengthened.

Finally, a few words in regard to what is commonly and properly spoken of as the highest work of the university laboratory—the training of teachers and investigators. Here, again, we find that Germany leads the world, and to her we must look for guidance, and, as is well known, to her we have looked for guidance for many years past. Just as Liebig betook himself to Paris, and Wöhler to Stockholm, so in turn Americans have betaken themselves to Germany to work with the great masters. This movement began soon after the establishment of the Giessen laboratory, and many an American obtained his inspiration in that laboratory. There are living to-day a number of American chemists who sat at Liebig's feet; a still larger number look back with pride to the time spent in the Göttingen laboratory where Wöhler's was for many years the master mind. Bunsen and Hofmann attracted large

numbers in their best days; and now Baeyer in Munich, Ostwald in Leipsic, Victor Meyer in Heidelberg, and Fischer in Berlin, appear to exert the strongest influence upon American students. Most of the chemists holding prominent places in this country have had more or less prolonged training in German universities, and it is not to be wondered at, therefore, that German methods have found their way into our laboratories. Indeed, there are some who appear to hold that, unless a method has a German tag on it, it is not worth considering. These hold, also, that the goal to strive for is the development of a laboratory like the best in Germany.

For many years Americans have been returning to this country after having enjoyed the best opportunities afforded abroad. Each annual crop have at least one thought in common, and that is, that chemistry in this country is in a deplorable condition, and that their labors are needed to bring about a reform. These young reformers are, of course, quite out of joint with the country, and often render themselves incapable of bringing about the results they desire, by refusing to recognize what is good and endeavoring to build upon that. The true and efficient reformer is a believer in continuity. Progress has always been by easy stages. The history of chemistry in this country shows that there has been a slow and steady advancement, and there is much promise in the present.

We owe to Germany very largely the investigating tendency which is showing itself more and more every year, and while even now the amount of original work done, as compared with that done abroad, is small, it is quite natural that it should be so.

A large part of the experimental work in Germany is done by advanced students and young chemists who are waiting for positions. It is by the aid of the former class especially that the professors work out their problems. Now, the number of advanced students of chemistry in this country is much smaller than in Germany, and the same is true even to a still greater degree of young chemists waiting for positions. Increase the number of these two classes here, and the amount of investigating work will be increased accordingly. But such increase must be determined largely by the demand, and the demand for thoroughly trained chemists is by no means as large as in Germany. The most important reason for this has already been spoken of. The value of these thoroughly trained chemists in the industries has not yet been generally recognized. Indeed, those particular industries in which the aid of scientific chemists is specially needed do not exist to any great extent, so that there is very little demand for such men. Most of the advanced

students are looking forward to teaching, and the graduate departments in our universities must for years to come look to these men for re-enforcement. Plainly, the number of such students must be comparatively limited, or the supply will exceed the demand. After completing their regular courses these students must secure occupation. The "bread and butter question" is involved. But the number of places to be filled is limited, and every year young men well fitted to take good places are left, at least for a time, without means of support, and all their efforts must go to securing positions; and, further, when they secure their places, the conditions are for the most part unfavorable to the carrying on of higher work, and although many of them struggle manfully for a time to keep up their enthusiasm, it gradually dies out for want of nourishment.

All this is discouraging, of course, to the advanced students of chemistry, and to those who wish to study chemistry, and thus the number is necessarily kept down. It is a fair question whether the number of graduates now studying chemistry is not unnaturally large. However this may be, it is clear that, as the amount of investigating work depends upon the number of advanced students, the amount of this work must of necessity be comparatively small. More could be done, no doubt, by teachers in colleges throughout the land, and the amount done by these teachers is increasing year by year, but it is difficult for them to secure co-workers, and, with unaided hands, the amount of chemical work that can be done by an individual is small.

Some of the most active workers in Germany are, as has been remarked, the young chemists, who are waiting for positions. These form a comparatively large class of picked men—men who have a strong tendency to investigation, and in some way see their way clear to at least a sufficient income to "keep body and soul together." Most of them have a hard struggle; though, on the other hand, some are men of means, whose ambition is not destroyed by the fact that they have fortunes. These men, of course, are desirous of securing advancement, and they know that their only chance lies in doing good work. It is the tremendous competition among these men that leads to the results for which Germany is famed.

Very well, you will say, if that is the secret, let us have that system here. But that is the very thing we can't get. We may be able to secure a few able professors, a number of bright advanced students, good laboratories, and supplies, but this intermediate class of active workers cannot be secured, save under conditions that do not exist here, and are not likely to

exist here for many years to come. Abroad the university career is one of the most attractive open to men; a professor is a very much respected member of the community, and his life is an unusually pleasant one. Without entering into a detailed comparison between the university career in this country and abroad, we may accept the general statement that this career exerts a much stronger attraction upon students there than here. Then, too, the opportunities in other fields are more limited there, so that these two forces working together, lead a number of the ablest young men to choose the university career, and to face the great difficulties which they know they will have to overcome before they attain success. The first condition of that success is good work done. There is absolutely no chance for one who does not carry on investigation, nor for one who is lukewarm in his work. The school is a merciless one, but the results probably justify the means.

What possibility is there of introducing this system in this country? Let the experiment be tried. Offer young men of ability the privilege of teaching in a university and nothing else, and how many, think you, will avail themselves of it? Or if some few exceptional men under most exceptional conditions should do so,

how long will they remain in the position? To keep them it will be necessary to pay them at least enough to live on, and then the very soul of the German system is destroyed. In short, we have our own problems to work out under conditions that we cannot control, and while we may be inclined to regret that we cannot have all that we should like to have; while we in this generation at least must necessarily be content to do with less scientific work than those who have breathed the German atmosphere have been accustomed to, there is pleasure in working out new educational problems, and there is satisfaction in causing the tree of knowledge to grow where before it languished. We have a great field to cultivate. It is fertile. Labor expended upon it will yield rich harvests. So let us to work. Those who have been in the chemical field for years welcome the new workers, and especially such a body of workers as has been brought together in this University. May the great activity in chemical work which has characterized this University during its short life continue unabated. The Kent Chemical Laboratory is already known of all the world, even before its doors are open. May its fame increase year by year.

*THE STATEMENT OF THE PRESIDENT OF THE UNIVERSITY FOR THE
QUARTER ENDING DECEMBER 31, 1893.*

MEMBERS OF THE UNIVERSITY, TRUSTEES, INSTRUCTORS, STUDENTS, AND FRIENDS:

It would not be strange if the Quarterly Statement should come to be a mere matter of routine, and of little interest. And yet, upon consideration, it *would be* strange if, in an institution in which a score or more of new educational experiments are being tried, in an institution surrounded on every side by activities of various kinds,—it would be strange, I say, if in such an institution, passing through its first stages of growth, there should not be with each recurring quarter something worthy of note; some word perhaps of warning; some statement of effort accomplished, or at least, an indication of needs to be supplied. The work of the present soon becomes a matter of history, and reflections upon the immediate past made from a point of view in close touch with that past, may not be altogether valueless.

The quarter just finished has been a very quiet one. The confusion incident to the closing of the Columbian Exposition was soon forgotten, and the academic spirit has throughout ruled supreme. Questions of policy had for the most part been settled during our first year's work. All had become accustomed to the established routine, and the time of instructors has been given without interruption of any kind to the great work for which the University was founded. The atmosphere of the institution, somewhat disturbed last year by the whirl and confusion of the Exposition, has composed itself into the tranquility proper to a genuine University life. A measure of satisfaction is also experienced in the fact that, with the new Academic year, the members of the University find themselves more comfortably settled in their homes. The district inside of which our members have taken residence has been narrowed. We are closer together, at least locally, than we were before. It would be unnatural indeed if we should not now be drawn closer together in spirit and purpose.

The Attendance.

The total attendance of the Autumn Quarter was 773, distributed as follows: In the Graduate Schools 243, in the Colleges 363, in the Divinity School 167. The attendance during the Spring Quarter was 552. The gain is, therefore, a gain of 40 per cent. It is to be noted, however, that during the Spring Quarter

there were special reasons for the reduced number. The attendance of the Autumn Quarter of 1892 was 626. The gain, therefore, over the corresponding quarter of last year is about 25 per cent. Since the registration of last quarter, which closed on Convocation day, October 2, about 140 students have been registered in the various colleges and schools. It is believed that the total enrollment for the year will easily reach a thousand. In this calculation the students of the Morgan Park Academy and the students of the affiliated institutions are not included.

The System of Houses.

It is too soon, perhaps, to reach a definite conclusion in reference to the University Houses organized at the beginning of the Quarter, and yet it seems to be the feeling of all concerned that, with the modifications suggested by experience, the system will prove successful. It is at all events clear that a college spirit has been engendered which did not before exist, and without which the work of any institution will be largely a failure. The spirit of enthusiasm is one which must be cultivated, and the means necessary to the cultivation of it must be adopted, even though such means may not seem to contribute directly to the advancement of learning.

Another step in the same direction has been taken by the University Council in arranging for regular meetings to be held by the students and officers of the various divisions of the University. The Wednesday chapel service is each week to be given up, and in its place there will be held on the first Wednesday of each month a meeting of the graduate students and the Graduate Administrative Boards; on the second Wednesday, a meeting of the divinity students and the Divinity Faculty; on the third Wednesday, a meeting of the University College students and the Administrative Board of the University Colleges; on the fourth Wednesday, a meeting of the Academic College students and the Administrative Board of the Academic Colleges. At these meetings addresses will be given by members of the Faculty upon matters of interest to the particular college or school. This will at the same time draw the students of each several school or college more closely together, bring them into touch with the governing board, and provide an opportunity which has not hitherto existed for the presentation of information of a special character.

The Kent Laboratory.

The University congratulates itself and the scientific world that at last the great laboratory for which Mr. Kent has so munificently provided, is finished and occupied by the Department of Chemistry. This event has been celebrated by the University now during two days. This celebration is the feature of our Winter Convocation of 1894. It is an event in the history of the University and of the science of chemistry, the meaning of which will not be fully appreciated during the lives of those of us who have come together from far and near to recognize it. The gift which Mr. Kent has bestowed upon the University is the gift of a prince, and it has been given in a princely way. When it was seen that the sum at first designated would not secure in the building everything that was desired, that sum was, at the time of the giving of the contracts, increased twenty per cent. As the building progressed and other needs presented themselves, twenty per cent. was added again. When the building was finished and furnished, the generosity of Mr. Kent led him still to bestow for apparatus a sum equivalent to ten per cent. of the original gift; and so the building has cost \$235,000, instead of \$150,000. The building was presented to the University and accepted by the University last evening. Addresses celebrating the event were made. We have to-night listened to the formal address of dedication. The building has now passed into the hands of the Department for which it was erected. If that Department shall prove as faithful in its work as Mr. Kent has been generous in his giving, we may surely expect from time to time the announcement of most important scientific results. No man who remembers the anxiety of those early days before the citizens of Chicago had indicated, as they have since indicated, their adoption of the institution as the University of the city, will fail to remember also that it was at such a time that Mr. Kent made his gift, and in the making of it determined in large measure the standard of the University and the position which it should occupy among the universities of the world.

The Yerkes Observatory.

Since our last meeting a much debated question has been settled for all time,—the location of the Yerkes Astronomical Observatory. Sixty acres of land, beautifully and conveniently located upon the very shore of Lake Geneva, have been donated by Mr. John Johnston, Jr., to the University, and by formal act the site has been determined. The general plan of the building has been settled, and the details are now being arranged. Before we meet in Convoca-

tion again the foundations will have been laid, and another great structure will be rising from the earth, erected in the interests of pure science.

The Academic Colleges.

It has been feared by some that in the large emphasis laid upon university work the interests of the younger students in the earlier college years might be overlooked. Indeed, many think that higher work and lower work may not be carried on at the same time to advantage. The apprehension referred to, and the general principle in which it would seem to be founded, are both of them without justification. During the past Quarter there have been in attendance about 300 students in the Academic Colleges of Arts, Literature, and Science, including unclassified students. These students have received instruction from 36 instructors. Of these 8 have been professors, 2 associate professors, 7 assistant professors, 19 instructors, tutors, assistants, and docents. One-half of the teachers have been professors. When it is remembered that the men who occupy the rank of assistants, tutors and instructors in the University of Chicago would in the great majority of institutions in the West be full professors, the fear that the work of the Academic Colleges is being neglected is seen to be groundless. The fact remains that in no Eastern institution of high rank does the freshman or sophomore receive instruction from men of greater ability and experience, nor do the students of the lower classes, in any Eastern institution, have to so great an extent the privilege of electing courses in particular subjects intended for more advanced students. The *general* position, already stated, is likewise false. It is of the greatest advantage to the younger student to move in an atmosphere the characteristics of which are determined by men who have reached the more serious age. A stimulus is furnished in this way for thorough work which nothing else can furnish. The friends of the University may rest secure in mind in reference to this matter. Not only is the work of the Academic Colleges not overlooked, but a consideration is being given it which within no long time will show conclusively that the policy of the University is one sufficiently broad to include college work as well as university work, and that the resources of the University are directed to both alike.

The Academy.

By the terms of one of Mr. Rockefeller's gifts the University is required to sustain at Morgan Park, in the buildings formerly occupied by the Divinity School, a well-equipped academy. That the Academy is well organized, and that it has a corps of superior teach-

ers, is certain. It has likewise a most enthusiastic body of students. That which most surprises one in a visit to the Academy is the maturity of the students. Although the course of preparation includes a plan of study covering five years, few students in the Academy are younger than sixteen, and many who have reached the age of twenty-one have still before them several years of preparation. So far as age is concerned, and indeed so far as the character of the work performed is concerned, the Academy is practically a college. The administration of the new principal, Mr. Carman, has been most successful. The foundation for scholarly life of a high order has been laid during the first year. It remained at the Academy, as here at the University, to arouse that institutional spirit which, to be sure, forms no part of the curriculum in a school of learning, but which nevertheless is an essential feature of the best educational life. Improvements have been made in the buildings, and though the equipment is not yet what the terms of Mr. Rockefeller's gift demand, it may be fairly said that beginnings already exist at Morgan Park of what is destined soon to become an Academy not inferior to that at Andover or that at Exeter. The organic connection of this school with our institution will aid greatly in maintaining with rigidity the standard laid down for entrance to the colleges of the University. Students who, coming from a distance, unexpectedly find themselves unable to meet our entrance requirements, can without inconvenience or extra expense, finish their preparation in the Academy. It should be, and it will be, the policy of the University to strengthen the Academy at every point and make it all which its connection with the University warrants. The affiliated academies located in the city have come into closer relations with the University this year than last. Every six weeks examinations are given by the University, and the papers presented are read and marked at the University.

Meetings will be held from time to time in which the instructors of the affiliated schools in a particular department may join with the University instructors in considering questions of special interest in the department. The Annual Registers of all the affiliated academies will be issued in uniform style and upon the same general plan. Each Academy is represented in the University Convocations by a delegation of its students.

The Divinity School.

In the Divinity School of the University several important steps have been agreed upon by the Faculty, and in connection with these preparation is being made for carrying into effect the two regulations

adopted last year, in accordance with which the divinity year will continue thirty-six weeks, instead of thirty weeks, and the curriculum of study be arranged for work of a character leading to the degree of Ph.D. Already five candidates have presented themselves and are doing work with this degree in view. During the quarter it has been arranged that the income of the Divinity School shall be at least \$10,000 larger than it was last year. This gift is a new gift and definitely pledged. On the basis of this added income there will at once be appointed an associate professor in Church History, an associate professor in Social Science, and an associate professor in New Testament History. With these new chairs established, with a wider range of study offered by the new curriculum, and with the special advantages which accrue to the Divinity School from its close connection with the University, this seat of sacred learning may claim to make a presentation of work not elsewhere surpassed.

In view of the evident success of the house system, and in order to lift the beneficiary system of the Divinity School to a higher plane, it is proposed to organize divinity houses in accordance with the plan adopted in the University. This means that upon the adoption of this plan divinity students will pay like other students a regular rental for their rooms. This rental will be used as the nucleus of a scholarship and fellowship fund; this fund will be distributed to divinity students in accordance with the plan by which university and college fellowships and scholarships are now distributed. It is believed that in this way much will be accomplished in the direction of improving and dignifying the beneficiary system—a system which, as all will confess, has been attended with many difficulties.

Christian Settlement.

In addition to the University Settlement already established in the Stock Yards district, the Divinity School will now proceed to establish a distinctively religious settlement in some central portion of the city. In this settlement there will reside divinity students, married and unmarried; students of Social Science and others who are interested in work more distinctively religious than that undertaken by the University settlements. The work will be under the direct charge of the Professor of Social Science in the Divinity School, and will stand related to our Divinity School as does the Department of Clinics to a Medical School. Arrangements have also been made to begin at an early date the publication of a series of divinity studies to which the instructors of the school will from time to time contribute monographs. The greatest difficulty which the Divinity Faculty is compelled to

meet, is the fact that students devote too much of their time to outside work, especially preaching. It is unreasonable to imagine that a man who conducts service as a preacher, in a parish however small, can at the same time do full work as a student. Henceforth such men will be urged to do only two-thirds of the regular work of a student. It is far better that men who are compelled to earn their livelihood should devote six months to continuous study, and give the remaining six months of the year to the more practical work of the pastorate, thus making provision for their financial necessities. But I must not weary you with details. It is sufficient to say that our Divinity School proposes to be in every respect abreast of the times, open to students of every Christian denomination. The school, adopting the methods of Him in whose name it is founded, endeavors to teach those who place themselves under its influence the message of the Great Teacher, and the best methods by which a suffering humanity may be lifted nearer to the beneficent and loving God.

University Extension.

It was expected that this year the prosperity of the University Extension lecture work would show a marked decrease. So great was the interest manifested throughout the first year of the work, that a reaction seemed inevitable. The continuance of the World's Fair until late in the Autumn, postponed, of course, the establishment of work in the old centres and the organization of work in new centres. But contrary to expectation, and in spite of hindrances, the lecture-study work is more prosperous than during the corresponding season of last year. The number of centres supplied from the University during the Quarter has been thirty-three, and the number of courses given thirty-five. The number of different individuals attending these lectures has been six thousand. A most gratifying feature of the movement is the fact that there has been great increase in the amount of reading in connection with the lectures and in the number of papers prepared. The work takes on more and more the character of a permanent institution in the towns which have adopted it. The purpose of the Extension lecture work is becoming better understood. It is now seen that the aim is not primarily the assisting of non-resident students towards the completion of a college course and the conferring of diplomas and degrees, but rather the directing and stimulating of the reading and study of those who wish to read and study under direction. In every community there are many who desire to maintain

systematic, intellectual activity along various lines of literature, history, and science. No intelligent person supposes for a moment that the University Extension lecture takes the place of the more systematic, laborious, and continuous discipline of the college or the university. But it is clearly becoming evident that the discipline has an intrinsic value of its own which will insure its permanency as a part of the educational activity of the community. The problem before the University is wisely to meet this demand, and to direct the interest already excited in such a way as to lead to permanent results. A steady increase has shown itself in the work of the Correspondence Teaching Department, and arrangements have been made for the immediate organization of twenty-two classes in various subjects to meet in different parts of the city in order that thus the advantages of the University may be extended to those who cannot come to it.

Student Publications.

It has been an unfortunate thing for the University that in the public mind a clear distinction has not been drawn between the duly authorized publications of the University, the periodicals for which the University stands responsible before the world, and other publications undertaken by students of the University. Thus far the policy has been pursued of allowing the students of the University perfect freedom in the matter of their publications. Encouragement, indeed, has in some cases been given. It would seem, however, that the time has come for a more restrictive policy to be introduced. The good name of the University might otherwise be exposed to serious injury. A literary magazine purporting to be published at the University is naturally enough thought by many at a distance to be published upon the responsibility of the University. Private enterprises, of whatever sort, undertaken primarily for pecuniary purposes, by persons connected with the University directly or indirectly, must, unless expressly approved by the University under certain strict conditions to be rigidly observed, seek some other field in which to operate. While everything possible will be done to encourage literary activity on the part of the students of the University, it is of course not incumbent upon us to furnish capital of any kind for the launching of magazine enterprises, the fortune of which must long remain doubtful. We scarcely need assure our friends that the University has at no time proposed to itself the establishment of a general literary magazine to rival the great monthlies now published in the Eastern cities.

The Most Pressing Need.

If you wish me to tell you to-night the most pressing need of the University, I will do it in a few words. There are on the University grounds to-day three distinct heating plants, all of which are temporary. These different plants are conducted at great waste. Engineers, firemen and watchmen are required for all. No building on the grounds is adequately lighted. There is as yet no system of ventilation in our general lecture hall, nor can, indeed, the ventilation system of Kent Chemical Laboratory, the most perfect ever planned, be set in motion. What is it that we need? A central heating and electrical plant, from which every building of the University may derive its supply of heat, and in which shall be located the electrical machinery, which shall at the same time adequately light and ventilate the University buildings. This need cannot properly be classified under the head of library or apparatus. It is, however, a necessary part of the modern equipment of a group of buildings. We need a chapel and general library building, additional laboratories and additional dormitories, but we need above all, and before all, the proper facilities for heating and lighting the buildings that have already been erected. Is there not somewhere a man who will appreciate the great necessity of our case and render the needed assistance?

Mr. Rockefeller's Gift.

It is a pleasant task to recall to your remembrance the promise made a few weeks since by our friend and founder, Mr. Rockefeller, of \$500,000, payable in four quarterly instalments, beginning July 1 of the present year, provided the conditions of the gift of Mr. Ryerson were fulfilled. This means a million dollars for the University July 1, if between now and that time \$225,000 additional money can be secured. It is not safe under all existing circumstances to be very confident as to the success of the effort to accomplish this. Any one familiar with the present condition of the financial world knows that this amount of money can be obtained only with the greatest difficulty. At an early date the canvass will be begun. The assistance of every friend of the University will be required. If successful, the University will have a million dollars for general equipment, and thus the third step in its permanent establishment will have been taken. The first was the endowment of instruction; the second the provision for buildings; the third step, the step still remaining, is the furnishing of the equipment necessary to make this instruction and these buildings available. The gift of so large a sum as half a million, to be used outright for the purpose of equipment, was

a gift under all the circumstances not to have been expected from Mr. Rockefeller. He had plainly indicated that he would care for instruction, and he had also expressed the hope that Chicago would care for buildings and equipment. He realized, however, the peculiar situation in which we found ourselves—the financial stringency which defied every effort to secure money. Seeing our necessities, and appreciating all that we had tried to do, he has come forward in a new and unexpected way, and the University has stronger evidence than ever before of his deep interest in its work. I said a moment since that to-day our greatest need is a heating and electrical plant. A week ago our greatest need was books. It seemed hardly possible to continue work without large additions to the various departmental libraries. But how could these additions be secured until the success or the failure of the effort to raise the million dollars became an accomplished fact; and on the other hand, how wait until July 1? The problem was a serious one. It was presented to our friend in New York City. He recognized its serious character, and believing that the million dollars would be raised, knowing that in any case the books were needed and must be purchased, he has arranged for \$50,000 to be spent at once for books and equipment. The distribution has already been made, and the several departments are now at liberty to make their orders in accordance with the appropriations designated. Did ever institution have a better friend?

Purchases and Donations.

On Saturday last we purchased the most complete set of United States public documents in existence; more complete, indeed, than that possessed by Congress itself. Light surely has come where before there was great darkness; and thus, one by one, the difficulties of our situation are being overcome.

The University was pleasantly surprised a day or two before Christmas, by receiving from Mrs. Amanda S. Cook, of the city of Chicago, a gift of \$1,000, to be used as the President might indicate.

Very numerous and generous donations have been made to the scientific collections of the University from the exhibits at the Columbian Exposition and from other sources. The list is too long for full enumeration. It embraces valuable gifts from the commonwealths of Arizona, Arkansas, California, Colorado, Dakota, Florida, Illinois, Kansas, Kentucky, Michigan, Minnesota, Montana, New Mexico, North Carolina, Oregon, Washington, and West Virginia; from the neighboring provinces of British Columbia, Ontario, Quebec, and from the Canadian Government;

from the more distant countries of Cape Colony, Chili, France, Great Britain, Greece, India, Italy, Mexico, New South Wales, Russia, Spain, Sweden, and Venezuela. Among the corporations and individuals who have made contributions may be mentioned The Standard Oil Company, The Barber Asphalt Company, The Carborundum Company, The Colorado Honestone Company, The Illinois Clay Company, The New Pedrara Onyx Company, The Granville Lead and Zinc Company, The Wisconsin Lead and Zinc Company, The Webb City Commercial Club, The Iron Mountain Railway, The Copper Queen Mining Company, The California Mining Bureau, W. R. Grace & Company, The Thetford Asbestos Company, Mr. C. S. Beachler, Mr. J. A. Edman, and Mrs. Henry Sheldon.

The United States Government and the United States Geological Survey have made valuable loans for an indefinite time.

With an appreciation, which words will not express, of the kindness of our friends, and with a desire stronger than ever before to do for the cause of

education all that, situated as we are, it is possible for us to do, we take up the work of the New Year. The work is an arduous one, but the reward is a great reward, one surely worth the struggle, and one to gain which we may with entire confidence put forth every effort, relying, as we have relied, upon strength other than that which we ourselves possess.

The President then read the following letter, handed him by Mr. Kent.

"In thanking the speakers for the many kind things said this evening, I would, in reply, like it said for me that if in any small measure the work of my life can contribute to the advancement of knowledge and the greater happiness of men; if this can be done in this city, where my busy days have been spent, and where my heart is; and if, as I believe, we who have aided in the work of erecting this great University have helped to lay the foundation of what can never be destroyed, I feel in this work a pride and a happiness that has never been equaled in my life."

SCHOLARSHIPS AND CERTIFICATES.

SCHOLARSHIPS.

Scholarships in connection with the December examinations for admission were awarded to the following students:

YARZEMSKI, VLADYSLAS, and FORD, MARGARET.
Honorable mention was accorded to Alice Winston.

CERTIFICATES.

Academic College Certificates were conferred upon the following students:

BOOMER, JENNIE KATHRYN.
SCOVEL, LOUISE CLAIRE.

DEGREES.

At the Winter Convocation, January 2, 1894, the following degrees were conferred:

DOCTOR OF PHILOSOPHY.

JOHNSON, HERBERT PARLIN, A.B., Harvard University, '89; A.M., *ibid.*, '90; Graduate Student of Zoölogy and Neurology in the University of Chicago, '92-93; Fellow in Zoölogy, *ibid.*, '93-94:

Department: *Zoölogy.*

Thesis: *A Contribution to the Morphology and Biology of the Stentors.*

MASTER OF ARTS.

HULLEY, ELOISE MAYHAM, A.B., University of Michigan, '90; Graduate Student in the University of Chicago, '92-93.

Department: *Philosophy.*

Thesis: *Correspondence between Stoic and Christian Ethics.*

THOMPSON, CHARLES SPROULL, A.B., Harvard University, '87; Graduate Student in the University of Chicago, '92-93.

Department: *Political Economy.*

Thesis: *Some Problems of Railway Finance.*

BACHELOR OF DIVINITY.

(Theological Union.)

ASHBY, JAMES WILLIAM, East London Institute, '93.

Thesis: *Results in England of the Evangelical Revival in the Eighteenth Century.*

BACHELOR OF THEOLOGY.

(Theological Union.)

WHEELER, HORACE JONATHAN.

Thesis: *The Historical Development of the Doctrine of the Atonement from the time of Anselm.*

BACHELOR OF ARTS.

DICKERSON, PHILIP JACKSON.

MILLIGAN, HENRY FORSYTHE.

WILLIS, HENRY PARKER.

THE ACADEMY CONVOCATION.*

In the unavoidable absence of the President of the University. Professor H. P. Judson, Head Dean of the Colleges, presided. Rev. W. D. McFarland, Ph.D., of the Presbyterian Church, Morgan Park, was the chaplain of the evening.

The convocation address was delivered by Rev. Dr. P. S. Henson, of the First Baptist Church, Chicago. It was a strong plea for the best things in what is old. While expressing full sympathy with many of the new ideas of the day, and while cordially approving the new prominence given to youth and its efforts, Dr. Henson held up to our respect, admiration, and reverence, old men whose lives have been full of varied and heart-stirring experiences; old ministers that, like Caleb of old, ask not for some valley of ease, but for a mountain from which to drive the sons of Anak; the old education that was full of great thoughts which stir the heart and develop the soul; the old books that will never wear out, and chiefest among them all, the book of God—the Bible.

The following list of students, read during the convocation exercises, is that of the fifteen students who attained the highest rank during the Autumn Quarter:

Colwell, Nathan P.,	Hoy, Clinton L.
Conant, C. Ernest,	Lay, Henry H.,
Congdon, George E.,	Merriman, Dorcas F.,
Cutler, Ward A.,	Morgan, Ruth E.,
Dudley, Gleason A.,	Reed, Carl S.,
Dunike, Julia F.,	Stieg, Bertha S.,
Franklin, Bertram A.,	Webb, John E.,
	Wolfe, Clara.

An interesting feature of the exercises was the awarding of a certificate to the first graduate of the Academy, Arthur T. Pienkowsky, of Chicago. Dean Judson, in presenting the certificate, expressed, in a few well-chosen words, the hope that the excellent record which Mr. Pienkowsky had made in the Academy would be continued in the colleges of the University of Chicago, where he is continuing his work.

The incoming students, some fifteen in number, who have either entered the school or passed from the introductory year of the Academy to its regular course since the last Convocation, were recognized.

* Held at Blake Hall, Morgan Park, Friday, January 12, 1894.

*IMPORTANT OFFICIAL ACTIONS OF THE BOARD OF TRUSTEES,
OCTOBER-DECEMBER, 1893.*

OCTOBER 31.

A letter was received from Mr. *Sidney A. Kent* authorizing the University to expend \$20,000 for the equipment of the Kent Chemical Laboratory.

A statement was placed on the records in recognition of Mr. *Martin A. Ryerson's* renewal of his subscription of \$100,000, conditioned on the raising of \$500,000 for the general purposes of the University.

An expression of the feelings of the Board on the assassination of Mayor *Carter H. Harrison* was entered on the records, and the Secretary was directed to communicate the action taken to Mayor Harrison's family.

NOVEMBER 28.

Professor *J. Laurence Laughlin* was granted leave of absence for two months, he having been invited to advise with the government of San Domingo on the reform of their monetary system.

The resignation of *Richard Waterman*, class-secretary in the University Extension Division, was accepted, and *O. J. Thatcher* appointed to the secretaryship of the class-work for the remainder of the year.

It was voted to locate the *Yerkes Observatory* at Lake Geneva.

Action was taken providing for the erection of a President's House.

A letter was received from Mr. *John D. Rockefeller* subscribing \$500,000 for the general purposes of the University, on condition that the \$500,000 contemplated in the subscription of Mr. *Ryerson* should be raised.

The resignation of *H. N. Stokes*, Assistant Professor in Inorganic Chemistry, was accepted.

DECEMBER 19.

An offer of 50 or more acres of land at Lake Geneva as a site for the *Yerkes Observatory* was received from Mr. *John Johnston, Jr.*, and was accepted.

The resignation of *T. H. Root*, Tutor in New Testament Greek, on account of ill-health, was accepted.

A letter was received from Mr. *John D. Rockefeller* announcing the payment of his subscription of \$1,000,000 made in December, 1892.

DECEMBER 29.

A letter was received from Mr. *John D. Rockefeller* subscribing \$50,000 to be appropriated to the purchase of books and apparatus.

In accordance with the above letter the annual appropriations for books and apparatus were made to the several departments.

*NEW APPOINTMENTS TO THE UNIVERSITY,
DURING THE QUARTER, ENDING DECEMBER 31, 1893.*

1. *Of Members and Graduates of the University:*

BOLZA, OSKAR, PH.D., Associate Professor, to a Professorship in Mathematics.

KENT, CHARLES F., PH.D., Docent, to a University Extension Instructorship in Biblical Literature.

MEYER, ADOLPH, PH.D., HON. FEL., '92-'93, to a Docentship in Neurology.

MERRIAM, J. C., PH.D., Graduate Student, to a Docentship in Paleontologic Geology.

QUEREAU, EDMUND C., PH.D., Fellow, to a Docentship in Paleontologic Geology.

2. *Of Members of other Institutions:*

BURNHAM, SHERBURNE WESLEY, A.M., Chicago, Ill., to the Professorship of Practical Astronomy.

ARNOLT, W. MUSS-, PH.D., Ann Arbor, Mich., to an Instructorship in Biblical and Patristic Greek, and the Assistant Recordership.

CURTISS, RICHARD S., PH.D., New Haven, Conn., to a Docentship in Chemistry.

APPOINTMENT OF MEMBERS AND GRADUATES OF THE UNIVERSITY IN OTHER INSTITUTIONS.

BREWER, W. F., Fellow in Latin '92-93, *appointed Instructor in Latin and History in the Portland Academy, Portland, Oregon.*

BRIDGE, JOHN L., Fellow in Chemistry, '92-93, *appointed teacher in Chemistry and Physics in the Connecticut Literary Institute, Suffield, Conn.*

WATERMAN, RICHARD, JR., Secretary of Class-Work, University Extension Division, *to take charge of*

the Pedagogical Exhibit of the Drexel Institute, Philadelphia, Pa.

HATFIELD, HENRY RAND, Graduate Student, *appointed Instructor in Philosophy and Political Economy, Washington University, St. Louis, Mo.*

HULL, S. H., Academic Student, *appointed Instructor in Lake Forest Seminary, Lake Forest, Ill.*

AWARD OF FELLOWSHIPS.

The following award of University Fellowships was announced at the Winter Convocation, January, 1894:

ALDEN, GEORGE H., *History*, S.B., Carleton College, '91; A.B., Harvard University, '93.

CUMMINGS, JOHN, *Political Economy*, A.B., Harvard University, '91; A.M., *ibid.*, '92.

GRANT, GEORGE KUHN, *English*, A.B., Ottawa University, '91.

HARDY, SARAH McLEAN, *Political Economy*, Ph.B., University of California, '93.

JOHNSON, HERBERT PARLIN, *Zoölogy*, A.B., Harvard University, '89; A.M., *ibid.*, '90.

QUEREAU, EDMUND C., *Geology*, Ph.B., Northwestern University, '88; Ph.M., *ibid.*, '92; Ph.D., Freiburg, Baden, '93; Fellow until Jan. 1, '94.

SIKES, GEORGE CUSHING, *Political Economy*, S.B., University of Minnesota, '92.

STAFFORD, JOHN, *Philosophy*, A.B., University of Toronto, '87; D.B., Morgan Park Theological Seminary '89.

WALKER, DEAN AUGUSTUS, *Semitic Languages and Literatures*, A.B., Yale University, '84; A.M., *ibid.*, '90.

WHITNEY, ALBERT WURTS, *Physics*, A.B., Beloit College, '91.

The following award of Special Fellowships was announced:

A Fellowship in English offered by Iowa College, Grinnell, Ia.:

BOWEN, MARY, Ph.B., Iowa College, '93.

A Fellowship in History offered by C. W. Miller, Franklin, Pa.

CATTERALL, R. C. H., A.B., Bucknell University, '91.

A Fellowship in Comparative Religion offered by Professor Emil G. Hirsch:

WOODRUFF, CHARLES E., *Biblical and Patristic Greek*, A.B., University of Pennsylvania, '86.

The following award of University Honorary Fellowships was announced:

BARRETT, S. B., *Astronomy*, A.B., University of Rochester, '89.

BROWN, FANNY CH., *Political Science*, A.B., Smith College, '82; A.M., *ibid.*, '85.

FOWLER, FRANK H., *Sanskrit*, A.B., Lombard University, '90.

HARDCASTLE, FRANCES, *Mathematics*, Mathematical Tripos, Cambridge, England; Part I, '91; Part II, '92.

HERRON, BELVA, *Political Economy*, L.B., University of Michigan, '89.

MERRIAM, JOHN C., *Geology*, S.B., Lenox College, '86; Ph.D., Munich, Germany, '93, Fellow until Jan. 1, '94.

SPENCER, CHARLES W., *Social Science*, A.B., Colby University, '90.

WEBSTER, WILLIAM CLARENCE, *History*, A.B., Albion College.

WEST, MAX, *Political Economy*, S.B., University of Minnesota, '90.

BUCKLEY, EDMUND, A.M., University of Michigan, '84.

The Columbian Damen Club Helene Lange Fellowship offered by a club of German ladies in the City of Chicago:

ELY, E. ANTOINETTE, *Latin*, A.B., University of Cincinnati, '87; A.M., *ibid.*, '92.

A Fellowship in Latin offered by Mr. Hutchinson: GILBERT, EMMA L., A.B., Cornell University.

PUBLICATIONS BY MEMBERS AND GRADUATES OF THE UNIVERSITY.

Lists of recent publications (books, articles, reviews and notices) by those who have been or are now members of the University will be published from time to time in the *QUARTERLY CALENDAR*. In order to make these lists as complete as possible the members and the graduates of the University are requested to send titles of their recent publications, with the necessary

data, to the Recorder's office. A complete bibliography is being prepared at present, which will shortly be published in pamphlet form. For this reason, it is thought best not to insert in this number of the *CALENDAR* the titles of recent books and articles, etc., that are in the hands of the Recorder.

IMPORTANT UNIVERSITY EVENTS.

EXERCISES IN CONNECTION WITH THE OPENING OF KENT CHEMICAL LABORATORY, MONDAY, JANUARY 1, 1894, 8:00 TO 10:00 P.M.

KENT CHEMICAL LABORATORY.

Kent Chemical Laboratory, erected through the munificence of Mr. Sidney A. Kent, of Chicago, at a cost of \$235,000, was presented to the University by the donor, Mr. Kent, and accepted by PRESIDENT HARPER, in behalf of the University.

Prayer was offered by Dr. G. W. Northrup, of the Divinity School. PRESIDENT HARPER then said:

LADIES AND GENTLEMEN:

As the most fitting introduction to the exercises of the evening, I read to you the contents of the letter which I hold in my hand:

"Mr. William R. Harper, President of the University of Chicago. My Dear Sir: I hereby give this building, fully furnished and completely equipped, to the University of Chicago as a chemical laboratory, for the use of this and future generations.

"Trusting that the standard of education will be such as to command the respect, not only of this country, but of the civilized world,

Very truly yours, S. A. KENT.

"Chicago, January 1, 1894.

THE PRESIDENT'S ADDRESS.

Mr. Kent in his modesty prefers in this simple way, rather than by a personal address, to conclude a transaction the magnitude and significance of which it is difficult for us to appreciate. With a stroke of the pen he has devoted to the cause of science, to the cause of one among many sciences, the sum of nearly a quarter of a million dollars. The most significant thing in connection with this magnificent gift is the time at which it was made. Two millions of dollars had been donated for endowment and land. For only one building, and that a dormitory, had at that time provision been made. The University in very truth was still on paper. Not a few good people, East and West, had given utterance to the opinion that perhaps, after all, the University of Chicago must begin as other institutions had begun, and secure, only after many years, the facilities for work of a university character. For five months there had been sowing of seed. Some of us had expected results at a date much earlier. The situation was fast becoming a painful one, and the question not infrequently arose: Will Chicago

accept this University in the spirit in which it has been established, and rally to its support? Will the citizens of Chicago show their appreciation of the generous act performed for their city by a man living far away? One must believe that if the answer to these questions had been much longer delayed it would have been a negative answer. It was just at this time of painful suspense that Mr. Kent came forward with his munificent proposal, and in a moment the question was answered. The University was to be the University of Chicago. Within a month another million of dollars was given by Mr. Rockefeller for endowment, and within ninety days the citizens of Chicago had contributed more than a million of dollars for additional buildings. In other words, within four months the resources of the University had been doubled. The connection between all this and the gift of Mr. Kent is so close as not to require explanation.

Building of the Laboratory.

Hardly less significant was the growth and development of Mr. Kent's idea. The first \$100,000 had been considered a sum sufficient for the purpose. Before a definite conclusion had been reached the sum was fixed at \$150,000. When the contracts were made for the erection of the building the sum designated was \$182,000. When the bills came to be paid, including furnishings, the sum was \$215,000, and to this Mr. Kent most generously added an additional \$20,000 for equipment, making in all \$235,000. Everything was planned, and it was necessary to plan it, upon a large scale. Mr. Kent would not in any case consent to the use of material that was not the best. A system of ventilation the most perfect ever introduced into a building, was provided, and so from month to month the work went on until to-day we have a finished, and, let us hope, a perfect laboratory. In all this the standard was fixed for the other laboratories of the University. Had the Chemical Laboratory cost \$100,000, the Physical Laboratory likewise would have cost \$100,000. The Chemical Laboratory, however, cost \$235,000, and so the Physical Laboratory when finished will cost its donor \$230,000. With such provision for the Departments of Physics and Chemistry, it followed naturally

that Astronomy, when the subject was taken up, should be treated in a manner equally magnificent, and a sum even greater has been provided by another friend of the University for this, the oldest of the sciences. Shall now the Biological Department be less munificently equipped? The necessity under the circumstances of doing a large thing may, to be sure, postpone for a time the building of Biological Laboratories, but in the end it is clear that, when built, the standard will be that already fixed by Mr. Kent.

Inception of the Plan.

I may be pardoned if, in this connection, I speak of the spirit and the purpose which have prompted this gift. I shall never forget the Sunday afternoon, just two years ago, when I first met Mr. Kent and first talked of this matter. He had already thought about it, but was still uncertain as to the particular thing which it would be wise to undertake. Several possibilities were mentioned and discussed. It was clear from the discussion that the purpose of Mr. Kent was a most noble one. It was with him simply a question of accomplishing good for his fellow-men. And yet he was able to take so broad and high a view of the situation as to see the importance of making ample provision at the outstart for the work of investigation and research. It was this ideal kind of university work which appealed to him, and which led him to decide, after considering other suggestions in which the more practical element formed a larger part, in favor of establishing a laboratory, the work of which should be done in the interests of pure science. The time, therefore, of the gift, the breadth of view and the ideal purpose which inspired the giver, were alike significant.

Interior of the Building.

The arrangement of the building is as follows:

The basement contains a furnace room, with a set of gas furnaces with air blast of the most modern construction, for crucible work, muffle work, tube heating, and other purposes, a constant-temperature room, a room fitted with steam and other appliances for work on a large scale, a mechanical workshop and storage rooms.

On the first floor are one small and two large lecture rooms and a large lecture hall seating 300 persons, fitted for use as a chemical lecture room if desired. This floor also contains a chemical museum, a large private laboratory, a room with northern exposure, especially fitted for use as a gas analysis laboratory, and also apparatus and preparation rooms connected with the lecture rooms.

On the second floor are two large laboratories intended for research and advanced work; three private laboratories for the professors, balance, combustion, air furnace, and storerooms; a balcony for out-of-door work, and the chemical library, which contains full sets of the most important journals, as well as the most important text-books and other works relating to chemistry.

On the third floor are three large laboratories for general and analytical chemistry, a storeroom, a preparation room, a room especially fitted for optical and photographic work, a balance room, and a private laboratory. The most modern system of ventilation has been adopted, air of constant temperature being forced in by fans from below, and withdrawn by a fan above. The building will be lighted throughout by electric lights, and the laboratories will be provided with electricity adapted to every kind of electro-chemical work.

For Practical Uses.

Reference has already been made to the purpose of the donor in its relations to the work of research and investigation. I cannot forego this opportunity to say still another word in respect to it. Mr. Kent shares the hope, and the University joins with him, that this laboratory, formally opened to-night, may do great work in preparing men for practical work along lines within the realm of the science to which the use of the building is dedicated. But in addition to this, the founder of the laboratory and the trustees of the University, for all of whom I may now be permitted to speak, sincerely hope that in this building there may be worked out results in chemistry not yet obtained, that the heart of every worker, whether student or instructor, may be fired with a desire to contribute something of value to the knowledge of men in this important department. We believe that additions made to our knowledge of the great laws which underlie the structure of the universe in all its elements, is an addition to our knowledge of God, for God is over all and in all.

Thanks Due to Many.

It is my duty, and I esteem it also my privilege, on behalf of the University, to thank most heartily our friends in other institutions of learning who have shown so deep an interest in this particular undertaking of the University of Chicago. Letters of congratulation have been received from many friends. I hold in my hand more than a hundred such letters from the leading professors of chemistry in this country and Canada. These are not simply letters of regret. Many of them contain courteous and generous words con-

cerning the good fortune of the University in having a friend able and willing to do for it so good and so great a thing.

We are especially grateful to the professors of chemistry from our sister institutions who have done us the honor to be present in person at this time. We are sure that they rejoice with us in our good fortune, and that they join with us in the hopes which have already been expressed. Of our debt to Professor Ira Remsen, of the Johns Hopkins University, and to Professor Nef, of our University, I shall have occasion to speak later. To others who have given time and thought to the details of the laboratory, among whom may be mentioned Professor Freer, of the University of Michigan, and Professor Stokes, late Assistant Professor in the University of Chicago, the University expresses its thanks. To Mr. Hutchinson, Mr. Kohl-saat, and Mr. Walker, of the Board of Trustees, for the special interest taken by them in the work completed to-night, acknowledgment is due. We are under obligations in particular to Mr. Walker, who throughout has acted as the representative of Mr. Kent, and who, as such, has served most efficiently both Mr. Kent and the University.

And now, representing the Trustees and Faculties of the University, I accept from Mr. Kent this magnificent gift for the promotion of the cause of science, and I pledge him that every effort will be put forth to fulfil his wishes and to advance the interests of the cause to which he has made so noble a contribution.

The President then introduced Professor Ira Remsen, of the Johns Hopkins University, saying that when Mr. Kent made his gift and the Trustees saw their way clear to go on with the building, Professor Remsen had been asked to come and plan the laboratory.

In a short address Professor Remsen modestly disclaimed the large share of credit given him by the chairman.

He had taken great pleasure in helping to plan the laboratory. In former laboratories he had seen that there were in most cases a large number of small rooms, which he thought was not the best plan. In this laboratory he had planned a small number of large rooms, for the purpose of bringing the students and instructors together in laboratory work. The details of the plans had been all arranged by Professor Nef, and while he (the speaker) no doubt was responsible for the mistakes, Professor Nef had devised all the good points. In closing he said:

"I speak for chemists and for chemistry, and I speak for Mr. Kent publicly in this matter. Chemists all over the country have heard of his name, and know of the great deed he has done, and I speak in the name of these chemists the thanks of the profession to the generous donor."

Address of Professor Nef.

IMPORTANT FACTORS IN THE DEVELOPMENT OF A RESEARCH LABORATORY.

There can be no doubt that the great energy and ability of the American people have thus far been devoted almost exclusively, and with remarkable success, to the material development of the country. This, as Professor Hale showed very clearly in his convocation address last June*, was a necessity of the situation; the intensity with which this work has been done and the marvelous achievements in a material respect, have been alike the wonder and the envy of the old world. At the same time, however, the criticism is made that America has comparatively little to show in the way of actual achievements in arts, literature, or science—which must be regarded as very important factors in the history of a country. So vigorous has been the work of developing the material interests of the country, and so alluring the opportunities in this direction to men of enterprise, that it is no wonder, and indeed quite natural, that other things should, for the time being, be apparently lost sight of. Americans have been accused of being worshippers of gold to the exclusion of every ideal thing except religion. Certain it is that when Louis Agassiz told people that he had to devote himself to science, and had consequently no time to make money from his discoveries, he was regarded as an interesting curiosity.

As a consequence of this state of affairs it was natural that education, including the study of the sciences, was regarded solely as a means to a practical end. The majority of the ablest men were anxious to get through with their general school work as soon as possible and thus be able to devote their entire strength to the great material opportunities at hand on every side.

Within the last fifteen years a most remarkable change has taken place in respect to higher education in this country. This has been in the realization that a university has a two-fold function: the first, being to teach or to impart known facts; the second function, which had before been overlooked or much neglected, being to enlarge the boundary of knowledge in arts, literature, and science. It has become perfectly clear

*QUART. CAL. No. 6, p. 3.

that the standing of a university in the world depends chiefly on the ideal achievements of the men connected with it, *i. e.*, on the work done by them in enlarging the boundary of human knowledge. Although this point may now be generally recognized, more is required than this. The men in the new movement are pioneers, and the difficulties in the way are enormous; it is absolutely necessary that a portion of the energy and ability which have hitherto been applied almost exclusively to the material advancement of the country, be diverted into university or into ideal channels. That the tendency of late is in this direction, is a most interesting and cheering fact. The pioneer work in developing the material resources of the country has been practically accomplished, and in a most wonderful manner, and it is this latter fact that has long ago led some of the keenest minds of Europe, among others the great chemist Liebig, to predict great things of this country when once it has recognized the importance of ideal as well as material achievements. That the country has been awakening to its possibilities in the former respect, is apparent on all sides.

The foundation of Johns Hopkins University, of Clark University, of the Leland Stanford Junior University, of the University of Chicago, and the establishment of graduate schools at Harvard and at Columbia, are evidences of this. The foundation of the Art Institute, of the Thomas Orchestra, and of the Columbian Museum in this city, are local evidences of this tendency. The chief pride of every one in the World's Columbian Exposition has been its great artistic success, and the resultant educational effect.

When a magnificent building, such as the one we are formally dedicating this evening, is erected and equipped by a citizen of Chicago, Mr. Sidney A. Kent, to be devoted to the cause of chemical science, this is a matter in which not only Chicago, Illinois, the United States, but the whole scientific world has reason to rejoice. Here is what Du Bois Raymond, has justly called another temple to be devoted to the cause of science, which is international in its interests and not limited to any age or country. Much will therefore be expected from those whose privilege it will be to work in this building for the cause of chemical science.

There is one lesson which the past has taught and which is of vital importance, namely: "*The spirit of pure scientific research must be fostered with the utmost care.*"

A chemical laboratory is judged by the scientific world chiefly by the *quality* of its scientific publications, and by this is meant the results of original work, carried out in the laboratory, which positively advance

the science or open new fields therein. While it is true, to a great extent, that the power of scientific investigation is inborn and not acquired, it is also certain that a proper atmosphere must exist for its development. It requires inspiration and example to kindle into flame the spark which may exist in men beginning their life-work. That the inspiration and example must come from their instructors is evident. We have abundant proof that the men who have been great scientific discoverers have been those who have devoted themselves to the science for its own sake, never considering for a moment the material benefits that might result to them therefrom. They have been men who, like Agassiz, had no time to make money, or to patent or take advantage of their discoveries, which belong to the world. They have loved and worked for their science with the same fervor and enthusiasm that men fight for a country's cause. There is no one thing which, in the estimation of many, is at present exerting a more pernicious influence over chemical science in Germany than the fact that so many discoveries made by university instructors have been patented. The result is obvious; it tends to make men work, not for the cause of science, but for material objects, and the consequence must be, if persisted in, the loss of prestige that Germany has so long held in chemical science. The state, owing chiefly to the pioneer work of Liebig, has done much to foster the cause of chemical science by erecting and equipping magnificent laboratories for instruction and research. The men whose privilege it is to be connected with such laboratories, who hold life positions, and whose families, in case of death, are provided for by government pensions, surely have most ideal possibilities before them, and they can devote themselves, unhampered by cares, to the cause of science; and it is but just that the state, which has done so much for them, and not they, receive the benefit of any discoveries that may, by chance, turn out to be of practical value.

If the question were asked what factors are of importance in order that this country may in time do its share in advancing the cause of chemical science, or even, in time, take the lead over other nations in this subject, the answer would be that we must have, first of all, men whose heart and soul are in their work, and whose whole life and strength are devoted to the science purely for its own sake. The obstacles and difficulties to be overcome are tremendous, but no greater than those which the pioneers in the development of the material resources of the country have had to overcome. And who ever accomplished anything in the world without intense effort? The road to fame or fortune is alike beset with great difficul-

ties, and that man who is afraid of or appalled by difficulties is a weakling and does not see his opportunity.

It is very generally admitted that the one factor which has made the German university what it is to-day is its docent system. This system, briefly stated, is the following: A man, in order to become an instructor in the university, must, after he has taken the degree of doctor of philosophy, devote one or more years to independent investigation. The result of his work is presented in the form of a thesis, called "*Habilitations-Schrift*," which, if accepted, gives him the title of docent, and the right to offer lectures in the university. During the period in which the instructor remains docent, he receives no compensation from the university except such as he may draw from the attendance at his lectures, which is generally merely nominal; many of the docents lecture *publice* or *gratis*. A man may remain docent for many years, very often from four to eight years. His promotion depends chiefly on the quality and quantity of his investigations.

There are two universities in this country which have adopted the docent system, namely, Clark University and the University of Chicago. These require, however, of a candidate merely that he shall have the degree of doctor of philosophy, and not that he shall present a "*Habilitations-Schrift*." This is due simply to the exigency of the situation. Fifteen years ago it was exceedingly rare that men worked on in a university in this country, after receiving a bachelor's degree, except in the professional schools: law, medicine and theology.

To-day this is changed, but it is now very unusual for men with the degree of doctor of philosophy to work on independently. In order to encourage this, the University of Chicago has wisely adopted the docent system. The appointments are open to men having the above qualifications, and are annual appointments. The appointee has the opportunity to offer lectures in his chosen department, but his chief work is that of self development and investigation. There is no one factor which compares with this docent system in importance, in the development of the future American university, and of great men who by their work will make Americans proud of their country. A man who presents a thesis for the degree of doctor of philosophy, whether here or in Germany, has his subject suggested to him by the instructor, and carries out the work generally under his guidance and instruction. He is not therefore entirely independent in his work, and has not yet developed a field of research work strictly his own. He is perhaps enthusiastic in his work, and sees possibilities before him. He is, in consequence, at the most critical and impor-

tant period of his life; and if an opportunity can be open to him to devote his main strength and energy, for some years to come, to scientific research and to self-development, it is a godsend to him who is really anxious and capable of doing something for science and his country.

During the last thirty years any number of young men have gone to Germany to study chemistry, and have come back with their doctor of philosophy degree. Why is it that so few of them have done anything for science since their return? The chief reason is, that they have gone into the work of teaching immediately. To be sure, if they cared to, many might have found time and opportunity for research; but, first of all, they found absolutely no sympathy, appreciation, or expectation for this kind of work, and were forced to stand entirely alone, and the difficulties in the way were enormous. And as their chief strength was devoted to teaching, and, above all, because they had not developed any field of research strictly their own before beginning their life work of instruction, they have lost their interest in the important matter of doing something for science.

What is the reason that many men have been and are still going to Germany to study chemistry? Simply in order to come in contact with and to receive instruction from men who have made the science of chemistry what it is to-day. To come in contact with a great man is a privilege never to be forgotten; he inspires both as a teacher and as an investigator. If we ever expect to check this exodus to Germany we must have our universities filled with men who are doing important work in advancing their subject. Men will go where there is life, activity, and enthusiasm; and nowhere is this more marked than in a productive chemical laboratory.

Supposing, for an instant, that these possibilities existed in this country, there are many reasons why incalculably more good can be done than by having our young men go abroad. The men in the universities here understand the conditions of education in the country more fully, and also, as a consequence, could appreciate and help those who come to them for instruction and research more fully than any other country can; and the most important point of all is that they could exert a stronger and much more direct influence by improving and inspiring the more elementary work in the high schools and colleges.

Finally, a word may be said as to the possibilities in science in the future, and the desirability of young men of energy and ability taking up work in it. No man need fear, as did Alexander the Great in his youth, that there will be no worlds left to conquer.

The possibilities in science and the resultant good to the world are beyond all imagination. This matter cannot be presented more forcibly and remarkably than has been done by Joseph Priestley, the father of the chemistry of gases, in 1774, in the following words :*

"If extensive and lasting fame be at all an object, literary, and especially scientific, pursuits are preferable to political ones in a variety of respects. The former are as much more favorable to the display of the human faculties than the latter, as the system of nature is superior to any political system upon earth.

"If extensive usefulness be the object, science has the same advantage over politics. The greatest success in the latter seldom extends farther than one country and one particular age ; whereas, a successful pursuit of science makes the man a benefactor of all mankind, and of every age. How trifling is the fame of any statesman that this country has ever produced, to that of Lord Bacon, of Newton, or of Boyle ; and how much greater are our obligations to such men as these, than to any other in the whole *Biographia Britannica* ; and every country in which science has flourished can furnish instances for similar observations."

He then quotes a passage from the letter of the not too enthusiastic philosopher, Beccaria, of Turin, who writes : "I am sorry that the *political world*, which is so very transitory, should take the great Franklin from the *world of nature*, which can never change nor fail."

"I own," says Priestley, "it is with peculiar pleasure that I quote this passage respecting this truly great man, at a time when some of the infatuated politicians of this country are vainly thinking to build their wretched and destructive projects on the ruins of his established reputation ; a reputation as extensive as the spread of science itself, and of which it is saying very little indeed to pronounce that it will last and flourish when the names of all his enemies shall be forgotten."

That these predictions have proved true has long ago been evident. America honored and remembered one of its great men, Benjamin Franklin, at the Columbian Exposition, by placing his statue before the Electricity Building, chiefly because of his achievements in physical science.

MEETING OF TEACHERS OF CHEMISTRY.

KENT CHEMICAL LABORATORY,

JANUARY 1, AT 2:30 P.M.; AND JANUARY 2, AT 9:30 A.M.

In response to the invitation of President Harper, a meeting of teachers of Chemistry was held in Kent Theatre on January 1, at 2:30 P.M., for the purpose of discussing the teaching of Chemistry in High Schools and Colleges. President Harper welcomed the assembled chemists on behalf of the University, and invited Professor Ira Remsen, of the Johns Hopkins University, to preside. Professor Remsen expressed his sympathy with the object of the meeting, believing that frequent gatherings of this kind must be productive of much good. He then introduced Professor P. C. Freer, of the University of Michigan, who opened the discussion by reading a paper on "The Teaching of Chemistry." Professor Freer said that school boards must be made to recognize the necessity of having chemistry taught in secondary schools by qualified men who have received special training. Good apparatus and good chemicals must be provided. Poor apparatus often fails to work, and the student thinks that the result of an experiment is largely a matter of accident. A training with poor material is

worse than none at all. Facts must be sought first, and theory not introduced until it is absolutely necessary. No attempt should be made to cover the entire field of chemistry, but a few things only should be taken up and treated thoroughly. In the college the student should first be given a thorough course in general inorganic chemistry, and only after completing this course, including lecture-room and laboratory work, should he take up analytical chemistry. The necessity of careful observation and of accurate manipulation must be early impressed. The student must be carefully watched and guided in the laboratory, and not left to his own devices. Some quantitative work may be introduced into qualitative analysis. Laboratory work in organic chemistry should be taken up after quantitative analysis, and when the student is not hampered by other laboratory work. At the same time lectures may be given in theoretical and physical chemistry. Above all, the student must learn to think for himself and to rely upon himself.

In the discussion that followed, remarks were made by many of the chemists present. At 4:30 P.M. the

* Priestley, *On Air*, Vol. I., p. 16-18.

meeting adjourned, though all felt that the time had been too short to discuss even a small fraction of the questions involved.

During the dinner in the evening it was decided to form an Association of teachers of chemistry, for the discussion of methods of teaching the science. A committee of organization, with Professor Prescott as chairman, was appointed and reported at a meeting held in Kent Theatre the following morning. Professor Daniels acted as chairman, Professor Noyes as secretary.

The report was as follows:

Resolved, 1. That a conference of teachers of chemistry be held once a year, or as determined by the conference, for the discussion of methods of teaching.

2. That a committee of arrangements consisting of three members, be elected at each meeting for the following year, the chairman of the committee to act as secretary of the conference.

3. That the conference determine the place and time of the next meeting and that further arrangements be made by the committee, who shall send notices and invitations by mail.

The conference decided to meet next year at the University of Chicago about January 1, and elected Professors Nef, Baker and Freer as the committee of arrangements.

The following were present:

L. E. Akeley, of the University of South Dakota.
D. Anderson, of the University of Michigan.
L. Andrews, of the University of Iowa.
P. S. Baker, of De Pauw University.
J. H. Breeze, of Northern Illinois College.
C. S. Burroughs, of Wabash College.
T. P. Carter, of Jacksonville College.
R. Cornish, of Morgan Park Academy.
W. W. Daniels, of the University of Wisconsin.
W. L. Dudley, of Vanderbilt University.
W. F. Edwards, of the University of Michigan.
D. Fall, of Albion College.
J. C. Foye, of Armour Institute.
G. B. Frankforter, of the University of Minnesota.
P. C. Freer, of the University of Michigan.
R. O. Graham, of Illinois Wesleyan University.

F. E. Goodell, of Des Moines College.
A. F. Heitkamp, of St. Ignatius College.
H. W. Hillyer, of the University of Wisconsin.
A. Hurd, of Knox College.
M. Ikuta, of the University of Chicago.
B. M. Jaquish, of Chicago Academy.
W. B. Johnson, of Franklin College.
F. Lengfeld, of the University of Chicago.
J. H. Long, of Northwestern University.
C. H. Miller, of Northwestern University.
S. H. Miller, of Thiel College.
W. McCracken, of Geneva College.
W. McPherson, Jr., of Ohio State University.
F. L. Morse, of Chicago West Division High School.
F. R. Nichols, of Chicago Manual Training School.
J. U. Nef, of the University of Chicago.
W. A. Noyes, of Rose Polytechnic Institute.
A. W. Palmer, of the University of Illinois.
C. A. Petterson, of the Jefferson High School.
M. Powers, of Northwestern University.
A. B. Prescott, of the University of Michigan.
A. C. Redding, of Findlay College.
I. Remsen, of Johns Hopkins University.
F. W. Rich, of Lombard University.
E. W. Rockwood, of University of Iowa.
J. B. Russell, of Wheaton College.
J. H. Salisbury, of Northwestern University.
E. A. Schneider, of University of Chicago.
P. H. Seymour, of Lake Forest University.
E. D. Shepard, of Lawrence University.
C. H. Schaeffer, of Iowa University.
A. Smith, of Wabash College.
E. G. Smith, of Beloit College.
W. M. Smith, of the University of Syracuse.
J. P. Stephenson, of Des Moines College.
F. W. Stevens, of Lake Forest University.
J. Stieglitz, of the University of Chicago.
A. E. Turner, of Lincoln University.
L. M. Umbach, of Northwestern University.
J. H. Williams, of Urbana University.
A. V. E. Young, of Northwestern University.
E. Whipple, of Wheaton College.
Fifty-eight men representing forty-one institutions.

The University (Proper.)

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A, B, C, D, in parentheses, refer to the floors of Cobb Lecture Hall.

Numerals indicate the numbers of rooms.

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- SMITH, JAMES ARCHIE, *Fel.*
438, 57th st.
- SMITH, WILLARD A., *Trustee.*
818 Rookery Building; 3256 Rhodes av.
- SMITH, WARREN RUFUS, *Fel.*
5622 Ellis av.
- SOARES, THEODORO GERALDO, *Fel.*
24 G.
- SPENCER, CHARLES WORTHEN, *Hon. Fel.*
5620 Ellis av.
- SQUIRES, VERNON PURINTON, *Fel.*
14 G.
- STAFFORD, JOHN, *Fel.*
6124 Wharton av.
- STAGG, A. ALONZO, *Assoc. Prof.*
(Gymnasium) 17 and 18 Sn.
- STARR, FREDERICK, *Assist. Prof.*
(C. 2, 10-12) 5800 Jackson av.
- START, CORA ANGELINA, *Fel.*
36 Kl.
- STETSON, HERBERT LEE, *Dean, Des Moines College.*
Des Moines, Iowa.
- STIEGLITZ, JULIUS, *Assist.*
(K.) 5479 Lexington av.
- STRATTON, SAMUEL W., *Assist. Prof.*
(R.) 5625 Monroe av.
- STRONG, CHARLES A., *Assoc. Prof.*
(R. and C. 13-17) 5516 Woodlawn av.
- SWARTZ, SAMUEL ELLIS, *Hon. Fel.*
5726 Drexel av.
- TAFT, LORADO, *Lecturer.*
(A. 5) 1305 Venetian Building.
- TALBOT, MARION, *Assist. Prof. and Dean.*
(C. 2, 10-12) 7 Kl.
- TARBELL, FRANK BIGELOW, *Assoc. Prof.*
(B. 2-8) Hotel Barry, 59th st. and
Washington av.
- TERRY, BENJAMIN S., *Prof.*
(C. 5-8) Morgan Park.

THATCHER, OLIVER JOSEPH, <i>Assist. Prof.</i> (A. 5)	28 G.	WATASE', S., <i>Instr.</i> (K.)	5481 Kimbark av.
THOMAS, WILLIAM ISAAC, <i>Fel.</i>	6420 Lexington av.	WEBSTER, WILLIAM CLARENCE, <i>Hon. Fel.</i>	5722 Kimbark av.
THOMPSON, JAMES WESTFALL, <i>Fel.</i>	5620 Ellis av.	WEST, GERALD M., <i>Docent.</i> (C. 2, 10-12)	623, 55th st.
TOLMAN, ALBERT H., <i>Assist. Prof.</i> (K.)	5468 Monroe av.	WEST, MAX, <i>Hon. Fel.</i> University Settlement.	4655 Gross av.
TREADWELL, A. L., <i>Hon. Fel.</i>	Oxford, O.	WHEELER, KITTREDGE, <i>Lecturer.</i>	716 W. Adams st.
TRIGGS, OSCAR L., <i>Docent.</i> (K.)	21 G.	WHEELER, WILLIAM MORTON,* <i>Instr.</i>	
TUFTS, JAMES H., <i>Assist. Prof.</i> (R. and C. 13-17)	7154 Euclid av.	WHITE, HENRY KIRKE, <i>Fel.</i>	10 G.
TUNELL, GEORGE, <i>Hon. Fel.</i>	24 G.	WHITMAN, CHARLES O., <i>Head Prof.</i> (K.)	223, 54th st.
TUNNICLIFF, H. H., <i>Hon. Fel.</i>	5 B.	WHITNEY, ALBERT WURTS, <i>Fel.</i>	Hotel Harcourt.
VAN HISE, C. R., <i>Prof.</i> (W.)	Madison, Wis.	WILCOX, WILLIAM CRAIG, <i>Fel.</i>	12 G.
VEBLEN, THORSTEIN B., <i>Reader.</i> (C. 2-8)	5726 Drexel av.	WILKINSON, WILLIAM CLEAVER, <i>Prof.</i> (K.)	5835 Drexel av.
VINCENT, GEORGE E., <i>Hon. Fel.</i>	5338 Washington av.	WILLIAMS, LEIGHTON, <i>Trustee.</i>	New York, N. Y.
VOTAW, CLYDE WEBER, <i>Docent.</i> (D. 10-12)	Hotel Barry, 59th st. and Washington av.	WILLIAMS, WARDNER, <i>Reader.</i>	5812 Drexel av.
WAIT, W. W., <i>Trustee.</i>	124 Washington Boulevard.	WISHART, A. W., <i>Lecturer.</i> (A. 5)	5825 Kimbark av.
WALCOTT, CHARLES DOOLITTLE, <i>Prof.</i> (W.)	Washington, D. C.	WOLD, THORE OLSEN, <i>Instr.</i>	Morgan Park.
WALKER, ARTHUR TAPPAN, <i>Fel.</i>	31 G.	WOOD, F. A., <i>Fel.</i>	Hotel Preston.
WALKER, DEAN AUGUSTUS, <i>Fel.</i>	18 G.	WOOD, ROBERT WILLIAM, <i>Hon. Fel.</i>	5237 Jefferson av.
WALKER, GEORGE C., <i>Trustee.</i>	567 The Rookery; 228 Michigan av.	WOODRUFF, CHARLES E., <i>Fel.</i>	146 D.
WALLACE, ELIZABETH, <i>Docent.</i> (B. 12-16)	7 and 8 B.	YOUNG, J. W. A., <i>Tutor.</i> (R.)	5758 Washington av.
WALLIN, MADELEINE, <i>Fel.</i>	32 B.	ZEUBLIN, CHARLES, <i>Instr.</i> (A. 5).	5134 Wabash av.

* On leave of absence.

CLASSIFICATION AND DIRECTORY OF STUDENTS IN ATTENDANCE, WINTER QUARTER, 1894.

ABBREVIATIONS.

ABBREVIATIONS: B.=Beecher Hall; D.=Divinity Dormitory; F.=Nancy Foster Hall; G.=Graduate Dormitory; Kl.=Kelly Hall; Sn.=Snell Hall.

Numerals prefixed to these abbreviations designate the number of room or rooms in particular Halls.

The numerals which follow the names of the departments indicate the number of quarters during which the Student has been in residence at the University of Chicago.

THE GRADUATE SCHOOL OF ARTS AND LITERATURE.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Alden, George Henry,	S.B. (<i>Carleton College</i>) '91; A.B. (<i>Harvard College</i>) '93. History, Political Science. 1.	Waseca, Minn.	5709 Drexel av.
Archibald, William Laird,	A.B. (<i>Acadia University</i>) '92. Semitic, History. 4.	Wolfville, N. S.	539, 55th st.
Atkinson, David Clarence.	A.B. (<i>University of Indiana</i>) '93. Social Science. 1.	Atkinson, Ind.	5656 Washington av.
Baker, Ethel,	Ph.B. (<i>Northwestern Univ.</i>) '93. Philosophy, Neurology. 4.	Chicago.	3543 Lake av.
Barrett, Don Carlos,	A.B. (<i>Earlham College</i>) '89; A.M. (<i>Ibid.</i>) '93. Political Economy, History, Political Science. 1.	Richmond, Ind.	5754 Washington av.
Barrett, Marcia Frances,	S.B. (<i>Earlham College</i>) '89. English, History. 1.	Richmond, Ind.	5754 Washington av.
Berry, George Ricker,	A.B. (<i>Colby University</i>) '85; A.M. (<i>Ibid.</i>) '88. Semitic. 4.	West Sumner, Me.	878, 35th st.
Blaine, Harriet Gertrude.	A.B. (<i>Oberlin College</i>) '90. Greek, Latin. 1.	Oberlin, O.	39 F.
Blakely, William Addison,	Ph.B. (<i>Healdsburg College</i>) '86; Ph.D., '90; LL.B. (<i>University of Michigan</i>) '91; Political Science, History. 1.	Chicago.	5550 Drexel av.
Bowen, Mary,	Ph.B. (<i>Iowa College</i>) '93. English. 1.	Centerville, Ia.	14 F.
Boyd, Charles Samuel,	S.B. (<i>Lawrence University</i>) '93. Social Science, Political Economy. 1.	Appleton, Wis.	32 G.
Brainard, Harriet T.,	Ph.B. (<i>Cornell University</i>) '76. English, Philosophy. 2.	Chicago.	1301 Wabash av.
Bray, Jeremiah Wesley,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy, Comparative Philology. 1.	Chicago.	5709 Drexel av.
Brown, Frances Chamberlain.	A.B. (<i>Smith College</i>) '82; A.M. (<i>Ibid.</i>) '85. Political Science, Political Economy. 4.	Winchester.	8 B.
Buckley, Edmund,	A.M. (<i>University of Michigan</i>) '84. Comparative Religion. 1.	Rochester, N. Y.	218, 55th st.
Carpenter, Frederic Ives,	A.B. (<i>Harvard University</i>) '85. English, Comparative Literature. 4.	Chicago.	5515 Woodlawn av.
Carpenter, Nancy Jennette,	A.B. (<i>Cornell College</i>) '85; A.M. (<i>Ibid.</i>) '88. English. 2.	Missouri Valley, Ia.	5604 Monroe av.
Carrier, Augustus Stiles,	A.B. (<i>Yale University</i>) '79. Semitic. 4.	Chicago.	1042 N. Halsted st.
Cary, Antoinette,	S.B. (<i>University of Chicago</i>) '93. Social Science. 1.	Elyria, O.	5 Kl.
Catterall, Ralph C. H.,	A.B. (<i>Bucknell University</i>) '91, (<i>Harvard University</i>) '92. History, Political Economy. 3.	Watsonstown, Pa.	Harcourt, cor. 57th & Madison av.
Chase, Cleveland King,	A.B. (<i>Fisk University</i>) '90; A.B. (<i>Oberlin College</i>) '91. Latin, Greek. 1.	Nashville, Tenn.	5614 Drexel av.
Clark, Hannah Belle,	A.B. (<i>Smith College</i>) '87. Social Science, History. 4.	Chicago.	5312 Madison av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Conger, Charles J.,	A.B. (<i>University of Minnesota</i>) '90. Geography, Political Science. 2.	Minneapolis, Minn.	21 G.
Crandall, Regina Katherine,	A.B. (<i>Smith College</i>) '90. History. 1.	Brooklyn, N. Y.	48 B.
Crotty, Millia Alice,	A.B. (<i>University of Kansas</i>) '92. English. 1.	Burlington, Kans.	36 B.
Cummings, John,	A.B. (<i>Harvard College</i>) '91; A.M. (<i>Ibid.</i>) '92. Political Economy, Social Science. 1.	Lynn, Mass.	30 G.
Cutler, Susan Rhoda,	A.B. (<i>Western Reserve University</i>) '85. Romance. 4.	Talladega, Ala.	21 B.
Danforth, Lucia Elizabeth,	L.B. (<i>Carleton College</i>) '88. Latin. 1.	Red Wing, Minn.	20 F.
Davies, Anna Freeman,	A.B. (<i>Lake Forest University</i>) '89; A.M. (<i>Ibid.</i>) '91. Social Science, History. 1.	Lake Forest.	214, 53d st.
Davies, Martha Blanche,	A.B. (<i>University of Omaha</i>) '92. Latin, Greek. 1.	Menlo, Ia.	Morgan Park.
Davis, Walter Scott,	A.B. (<i>DePauw University</i>) '89; A.M. (<i>Cornell University</i>) '92. History. 4.	North Salem, Ind.	Inverness, 56th st. and Drexel av.
Dickie, Henry,	A.B. (<i>Dalhousie College</i>) '83; (<i>Princeton Theological Seminary</i>) '86. Semitic. 1.	Summerside, P. E. Island, Can.	19 G.
Dodge, Ernest Green,	A.B. (<i>Berea College</i>) '93. Greek, English. 1.	Berea, Ky.	5737 Kimbark av.
Dorman, John Benjamin,	A.B. (<i>Clinton Academy</i>) '85; S.B. (<i>Missouri University</i>) '91; Ph.B. (<i>Ibid.</i>) Political Science, Political Economy, History. 1.	Clinton, Mo.	5558 Drexel av.
Dunn, Arthur William,	A.B. (<i>Knox College</i>) '93. Social Science, History. 1.	Galesburg.	5800 Jackson av.
Durbin, Eva Comstock,	S.B. (<i>Hillsdale College</i>) '75; S.M. (<i>Ibid.</i>) '78. History, English Literature. 1.	Chicago.	3510 Prairie av.
Dye, Charles Hutchinson,	Ph.B. (<i>Wesleyan</i>) '84. Social Science, Political Science.	El. Madison, Iowa.	4851 Drexel av.
Edwards, Thomas Alpheus,	A.B. (<i>Allegheny College</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin, Greek.	Sharon, Pa.	30 G.
Ely, Elizabeth Antoinette,	A.B. (<i>University of Cincinnati</i>) '87; A.M. (<i>Ibid.</i>) '92. Latin, Greek. 4.	Cincinnati, O.	9 Kl.
Emery, Vernon Judson,	A.B. (<i>Ohio State University</i>) '87; A.M. (<i>University of Nebraska</i>) '90. Latin. 1.	Napoleon, O.	438, 57th st.
Fairfield, George Day,	A.B. (<i>Oberlin College</i>) '88. Romance. 1.	Chicago.	Keene Hotel, 55th st. and Ellis av.
Farr, Mary Edith,	A.B. (<i>Colby University</i>) '88. History. 1.	Waterville, Me.	42 B.
Faulkner, Elizabeth,	A.B. (<i>Old University of Chicago</i>) '85. Latin. 1.	Chicago.	98 Oakwood av.
Fertig, James Walter,	A.B. (<i>University of Nashville</i>) '90; A.M. (<i>Ibid.</i>) '91. History, Political Economy, Political Science. 1.	Nashville, Tenn.	6226 Woodlawn av.
Fowler, Frank Hamilton,	A.B. (<i>Lombard University</i>) '90. Comparative Philology, Latin. 4.	Bradford.	5810 Drexel av.
France, Wilmer Cave,	A.B. (<i>Cambridge University, England</i>) '92. Latin, Greek. 1.	Tysby, Warwick- shire, Eng.	5740 Monroe av.
French, Charles Wallace,	A.B. (<i>Dartmouth College</i>) '79; A.M. (<i>Ibid.</i>) '82. History, Philosophy. 1.	Hyde Park.	5735 Washington av.
Fulcomer, Daniel,	A.B. (<i>Western College</i>) '84; A.M. (<i>Ibid.</i>) '88. Social Science, Philosophy. 1.	Grand Rapids, Mich.	27 Sn.
Gilbert, Emma Large,	A.B. (<i>Cornell University</i>) '90. Latin, Greek. 1.	Holiesong, Pa.	27 B.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. Semitic, New Testament Greek. 4.	Chicago.	5630 Kimbark av.
Gordon, William Clark,	A.B. (<i>Yale University</i>) '88; B.D. (<i>Ibid.</i>) '91. Social Science, Eng. Literature. 1.	Michigan City, Ind.	Michigan City, Ind.
Gow, John Russell,	A.B. (<i>Brown University</i>) '77; D.B. (<i>Newton Theological Institution</i>) '82. Social Science. 4.	Chicago.	275, 52d st.
Grant, George Kuhn,	A.B. (<i>Ottawa University</i>) '91. English. 1.	Ottawa, Kans.	56 Sn.
Grant, Laura Churchill,	A.B. (<i>Yassar College</i>) '92. Political Economy, Polit. Science. 1.	St. Paul, Minn.	12 F.
Hardy, Sarah McLean,	Ph.B. (<i>University of California</i>) '93. Political Economy. 1.	Berkeley, Cal.	37 F.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Harley, Walter Scott,	A.B. (<i>Bucknell University</i>) '87; A.M. (<i>Ibid.</i>) '90. Latin, Greek. 4.	<i>Germantown, Pa.</i>	55th st. and Ellis av.
Harris, Laura Matthews,	A.B. (<i>Vassar College</i>) '90. English, History. 1.	<i>Chicago.</i>	Virginia Hotel.
Hastings, Charles Harris,	A.B. (<i>Bowdoin College</i>) '91. History, Social Science. 1.	<i>Bethel, Me.</i>	32 G.
Henry, William Elmer,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy. 1.	<i>Greentown, Ind.</i>	5558 Drexel av.
Herron, Belva Mary,	L.B. (<i>University of Michigan</i>) '89. Political Economy. 4.	<i>St. Louis, Mo.</i>	4 B.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. Systematic Theology, Social Science. 8.	<i>Pavilion, Ill.</i>	578, 60th st.
Hilliard, Caroline Margaret,	M.L.A. (<i>Ohio Wesleyan University</i>) '76. English. 1.	<i>Peoria.</i>	4525 Oakenwald av.
Hinckley, Frank Erastus,	A.B. (<i>Beloit College</i>) '92. History. 2.	<i>Racine, Wis.</i>	3316 Dearborn st.
Holcomb, George Perry,	A.B. (<i>University of Rochester</i>) '89. Biblical Theology, Social Science. 4.	<i>Rochester, N. Y.</i>	75 D.
Hourwich, Isaac A.,	(<i>Gymnasium. Minsk, Russia</i>) '77; Ph.D. (<i>Columbia College</i>) '93. Political Economy.	<i>Chicago.</i>	1330 Unity Building.
Howerth, Ira Woods,	A.B. (<i>Harvard University</i>) '93. Social Science. 1.	<i>Columbus, Ind.</i>	5709 Drexel av.
Hoxie, Robert Franklin,	Ph.B. (<i>University of Chicago</i>) '93. Political Economy, Political Science, History. 1.	<i>Yorkville, N. Y.</i>	5724 Drexel av.
Hunter, George Leland,	A.B. (<i>Harvard University</i>) '89. Comparative Literature, History. 3.	<i>Hopkinton, Mass.</i>	Hotel Barry, 59th st. and Madison av.
Innes, Stephen Linnard,	A.B. (<i>University of Pennsylvania</i>) Biblical Greek. 1.	<i>Philadelphia, Pa.</i>	26 G.
Irvine, William Franklin,	A.B. (<i>University of Manitoba</i>) '91. Systematic Theology, Social Science. 8.	<i>Yorkville, Ill.</i>	137 D.
Jackson, Grace,	A.B. (<i>Wellesley College</i>) '91. Latin, Greek. 4.	<i>Ft. Wayne, Ind.</i>	15 F.
Johnson, Luther Apelles,	A.M. (<i>Trinity University</i>) '86; Ph.D. (<i>Bethel College</i>) '89. English. 1.	<i>Tehuacana, Texas.</i>	Hotel Barry, 59th st. and Madison av.
Johnston, William Dawson,	A.B. (<i>Brown University</i>) '93. Social Science. 1.	<i>Kalamazoo, Mich.</i>	4655 Gross av.
Jones, Florence Nightingale,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>State University of Nebraska</i>) '91. Comparative Philology, Latin. 4.	<i>Lincoln, Neb.</i>	3715 Langley av.
Jones, Jessie Louise,	A.B. (<i>Doane College</i>) '84. German, Sanskrit. 1.	<i>Lincoln, Neb.</i>	3715 Langley av.
Jones, Laura Amelia,	A.B. (<i>Wellesley College</i>) '82; A.M. (<i>Ibid.</i>) '91. Semitic, History. 4.	<i>East Orange, N. J.</i>	2 F.
Jude, George Washington,	A.B. (<i>Otterbein University</i>) '91. History, Political Economy. 4.	<i>Sugar Grove, Pa.</i>	623, 55th st.
Kern, Paul Oscar,	(<i>Berlin University, Germany</i>) German, Romance. 1.	<i>Chicago.</i>	5442 Monroe av.
Kirkpatrick, George Ross,	A.B. (<i>Albion College</i>) '93. Social Science. 1.	<i>Plainfield, O.</i>	5800 Jackson av.
Knox, Frances Ada,	A.B. (<i>University of Michigan</i>) '82. History, Political Science. 1.	<i>Salem, Oregon.</i>	5755 Rosalie Court.
Korsmeyer, Julia Maria,	A.B. (<i>University of Nebraska</i>) '93. French, German. 1.	<i>Lincoln, Neb.</i>	3715 Langley av.
Lathe, Agnes M.,	A.B. (<i>Smith College</i>) '81. English. 2.	<i>Worcester, Mass.</i>	38 Kl.
Learned, Henry Barrett,	A.B. (<i>Harvard University</i>) '90. Political Economy, Social Science. 1.	<i>St. Louis, Mo.</i>	4 G.
Lewis, Edwin Herbert,	A.B. (<i>Alfred University</i>) '87; Ph.D. (<i>Syracuse University</i>) '92. English, Greek. 4.	<i>Chicago.</i>	6126 Wharton av.
Linscott, Henry Farrar,	A.B. (<i>Bowdoin College</i>) '92. Comparative Philology, Latin. 4.	<i>Chicago.</i>	4000 Drexel boul.
Love, Mary Edith,	Ph.B. (<i>Cornell College</i>) '91. English. 1.	<i>Marion, Ia.</i>	8 F.
MacLean, Murdoch Haddon,	A.B. (<i>Acadia College</i>) '92. History, English. 1.	<i>Wolfville, N. S.</i>	539, 55th st.
Maddocks, Caroline Shaw,	A.B. (<i>Wellesley College</i>) '92. English. 2.	<i>Chicago.</i>	5622 Ellis av.
Mallory, Hervey Foster,	A.B. (<i>Colgate University</i>) '90. Semitic. 4.	<i>Aberdeen, S. Dak.</i>	Keene Hotel.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Manchester, Herbert,	A.B. (<i>University of Chicago</i>) '93. Philosophy. 1.	<i>Gray's Lake.</i>	U. of C. Weekly office.
Markham, Osman Grant,	A.B. (<i>Baldwin University</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin. 1.	<i>Baldwin, Kans.</i>	Keene Hotel.
McCasky, Harriet Louise,	A.B. (<i>Northwestern University</i>) '92. History, English. 1.	<i>Chicago.</i>	35 B.
Mead, Eugene Adelbert,	Ph.B. (<i>Denison University</i>) '87; Ph.M. (<i>Ibid.</i>) '90. Social Science, Political Science. 1.	<i>Chicago.</i>	438, 57th st.
Mezes, Sidney E.,	A.B. (<i>Harvard University</i>) '90; Ph.D. (<i>Ibid.</i>) '93. Philosophy. 1.	<i>Chicago.</i>	Hotel Barry, 59th st. and Washington av.
Miller, Roy Newman,	Ph.B. (<i>Albion College</i>) '93. Polit. Science, History, English. 1.	<i>Mason, Mich.</i>	5802 Jackson av.
Millerd, Clara Elizabeth,	A.B. (<i>Iowa College</i>) '93. Greek, Latin. 1.	<i>Chicago.</i>	1151 Lawndale av.
Milliman, Loren Douglas,	A.B. (<i>University of Michigan</i>) '90. English, Philosophy. 4.	<i>Lakeville, N. Y.</i>	Keene Hotel, 55th st.
Million, John Wilson,	A.B. (<i>Wm. Jewell College</i>) '89; A.M. (<i>Ibid.</i>) '91. Political Economy, History. 4.	<i>Watson, Mo.</i>	5126 Madison av.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Zoölogy. 1.	<i>Englewood.</i>	429, 57th st.
Mosley, Joel Rufus,	S.B. (<i>University of Nashville</i>) '92; S.M. (<i>Ibid.</i>) '93. Political Science, History. 1.	<i>Elkin, N. C.</i>	6226 Woodlawn av.
Mühlhäuser, Otto,	Ph.D. (<i>Zürich University</i>) '80. English. 1.	<i>Stuttgart, Germany.</i>	102 D.
Mulfinger, George,	A.B. (<i>Northwestern University</i>) '85. German, English. 1.	<i>Chicago.</i>	108 Seeley av.
Neff, Theodore Lee,	Ph.B. (<i>Asbury (now DePauw) University</i>) '83; A.M. (<i>DePauw University</i>) '86. Romance Languages. 1.	<i>Iowa City, Ia.</i>	541, 55th st.
Northup, John Eldredge,	A.B. (<i>Drake University</i>) '91. Political Economy, Social Science. 3.	<i>Newton, Ia.</i>	5724 Drexel av.
Norton, Adda Frances,	A.B. (<i>Des Moines College</i>) '93. Latin. Greek. 1.	<i>Chicago.</i>	4336 Union av.
Ogden, Howard Newton,	A.B. (<i>University of W. Virginia</i>) '81; A.M. (<i>Ibid.</i>) '84; A.M. (<i>Marietta College</i>) '93. English, History. 1.	<i>Morgantown, W. Va.</i>	6017 Ellis av.
Osborn, Loran David,	A.B. (<i>University of Michigan</i>) '91. Systematic Theology, Social Science. 8.	<i>Grand Rapids, Mich.</i>	76 D.
Owen, Ernest Jones,	A.B. (<i>Denison University</i>) '93. New Testament Greek. 1.	<i>Newark, O.</i>	Omaha Bldg., 55th st. and Lexington av.
Owen, William Bishop,	A.B. (<i>Denison University</i>) '87; D.B. (<i>Baptist Union Theological Seminary</i>) '91. Comparative Philology, Greek. 4.	<i>Chicago.</i>	5475 Kimbark av.
Page, Edward Carlton,	A.B. (<i>Northwestern University</i>) '88. History, English. 1.	<i>Mt. Morris.</i>	405 E. 40th st.
Paschal, George Washington,	A.B. (<i>Wake Forest College</i>). Greek, Latin. 1.	<i>Siler City, N. C.</i>	43 Sn.
Pellett, Sarah Frances,	A.B. (<i>Smith College</i>) '82; A.M. (<i>Cornell University</i>) '91. Latin, Greek. 4.	<i>Binghamton, N. Y.</i>	9 Kl.
Perrine, Cora Belle.	A.B. (<i>Wellesley College</i>) '91. Romance Languages. 1.	<i>Centralia, Ill.</i>	5622 Ellis av.
Pike, Granville Ross,	A.B. (<i>Hamilton College</i>) '89; A.M. (<i>Ibid.</i>) '83. Philosophy. 1.	<i>Chicago.</i>	6716 Union av., Englewood.
Pomerine, Jennie,	A.B. (<i>Vassar College</i>) '86. English.	<i>Poughkeepsie, N. Y.</i>	The Auditorium.
Potter, Erastus Francis,	A.B. (<i>University of Michigan</i>). Latin, Greek. 1.	<i>Teeneuseh, Mich.</i>	5558 Drexel av.
Poyen-Bellisle, René de,	L.B. (<i>University of France</i>) '74. Romance. 1.	<i>Mt. Washington, Md.</i>	391, 57th st.
Putnam, Edward Kirby,	A.B. (<i>Illinois College</i>) '91. English, Social Science. 1.	<i>Chicago,</i>	355 E. 41st st.
Read, Eliphalet Allison,	A.B. (<i>University of Acadia</i>) '91. Systematic Theology, Social Science. 8.	<i>Berwick, Nova Scotia.</i>	128 D.
Reese, Elizabeth Irene,	A.B. (<i>Western Maryland College</i>) '93. Romance, German. 1.	<i>Westminster, Md.</i>	5515 Woodlawn av.
Reynolds, Myra,	A.B. (<i>Vassar College</i>) '80; A.M. (<i>Ibid.</i>) '92. English, Greek. 4.	<i>Pueblo, Col.</i>	F.
Rogers, Arthur Kenyon,	A.B. (<i>Colby University</i>) '91. New Testament Literature, Philosophy. 4.	<i>Waterville, Me.</i>	299 S. Oakley av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	NOME ADDRESS.	PRESENT ADDRESS.
Rullkoetter, William,	A.B. (<i>University of Chicago</i>) '93. History, Political Science. 1.	Hastings, Neb.	58 Sn.
Sanders, Frederic William,	A.B. (<i>Columbia College</i>) '83; A.M. (<i>Harvard University</i>) '92. Social Science, Philosophy. 1.	Chicago.	4 G.
Scofield, Cora Louise,	A.B. (<i>Vassar College</i>) '90. History. 1.	Washington, Ia.	35 B.
Shaw, Edwin,	A.B. (<i>Milton College</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, History. 1.	Milton, Wis.	5455 Monroe av.
Shepardson, Francis Wayland,	A.B. (<i>Brown University</i>) '83; Ph.D. (<i>Yale University</i>) '92. History.	Chicago.	5475 Kimbark av.
Sherman, Zillah Maria,	A.B. (<i>Wells College</i>) '82. English, Philosophy. 1.	Ashtabula, O.	31 F.
Sikes, George Cushing,	S.B. (<i>University of Minnesota</i>) '92. Political Economy, Political Science. 1.	Minneapolis, Minn.	5622 Ellis av.
Sinclair, James Grundy,	M.D. (<i>College of Physicians and Surgeons</i>) '88; A.B. (<i>Northwestern University</i>) '92. Political Economy, Physiology. 2.	Chicago.	4101 Grand Boul.
Sisson, Edward Octavius,	A.B. (<i>University of Chicago</i>) '93. Greek. 1.	Newcastle-on-Tyne, England.	5442 Drexel av.
Smith, Emily James,	A.B. (<i>Bryn Mawr College</i>) '89. Greek, Latin. 1.	Canandaigua, N. Y.	5740 Monroe av.
Smith, Martha Constance,	Ph.B. (<i>Northwestern University</i>) '92. English, Latin. 1.	Evanston.	22 B.
Smith, Ralph Parsons,	Ph.B. (<i>Denison University</i>) '88. German. 8.	Chicago.	5620 Ellis av.
Snoddy, James Samuel,	L.B. (<i>University of Missouri</i>) '83. English. 1.	Kansas City, Mo.	5612 Drexel av.
Soares, Theodoro Geraldo,	A.B. (<i>University of Minnesota</i>) '91; A.M. (<i>Ibid.</i>) '92. History, Greek. 4.	Minneapolis, Minn.	24 G.
Spencer, Charles Worthen,	A.B. (<i>Colby University</i>) '90. Social Science, History. 4.	Waterville, Me.	5620 Ellis av.
Squires, Vernon Purinton,	A.B. (<i>Brown University</i>) '89. English, Philosophy. 1.	Onconta, N. Y.	14 G.
Stanton, Eveline Judith,	Ph.B. (<i>Bushnell University</i>) '90. English. 1.	Chinchilla, Pa.	38 B.
Start, Cora Angelina,	A.B. (<i>Vassar College</i>) '90; A.M. (<i>Ibid.</i>) '92. History, Political Science. 1.	Worcester, Mass.	36 Kl.
Stowe, Frederick Arthur,	Ph.B. (<i>Iowa State University</i>) '92. Political Economy, Political Science. 3.	Chicago.	6017 Ellis av.
Thomas, William Isaac,	A.B. (<i>University of Tennessee</i>) '84; A.M. (<i>Ibid.</i>) '85; Ph.D. (<i>Ibid.</i>) '86. Social Science. 1.	Oberlin, O.	6420 Lexington av.
Thompson, James Westfall,	A.B. (<i>Rutgers College</i>) '92. History, Political Science. 4.	New Brunswick, N.J.	5620 Ellis av.
Thurston, Henry Winfred,	A.B. (<i>Dartmouth College</i>) '86. Social Science, Political Economy. 1	La Grange.	Englewood High School.
Tompkins, Arnold,	A.M. (<i>University of Indiana</i>). Philosophy. 1.	Terre Haute, Ind.	Auburn Park.
Topping, Henry,	A.B. (<i>University of Rochester</i>) '92; B.D. (<i>Baptist Union Theological Seminary</i>) '92. Old Testament, New Testament. 1.	Columbia, S. C.	Columbia, S. C.
Triggs, Oscar L.,	A.B. (<i>University of Minnesota</i>) '89; A.M. (<i>Ibid.</i>) '93. English. 4.	Chicago.	21 G.
Tunell, George,	S.B. (<i>University of Minnesota</i>) '92. Political Science, Political Economy. 4.	Albert Lea, Minn.	24 G.
Tunnicliff, Helen Honor,	A.B. (<i>Vassar College</i>) '89. Political Science. 1.	Macomb, Ill.	5 B.
Van der Ploeg, Henry,	A.B. (<i>Hope College</i>) '93. History. 1.	Holland, Mich.	3 Sn.
Vincent, George Edgar,	A.B. (<i>Yale University</i>) '85. Social Science, History. 1.	Buffalo, N. Y.	5338 Washington av.
Votaw, Clyde Weber,	A.B. (<i>Amherst College</i>) '88; A.M. (<i>Ibid.</i>) '92. Biblical and Patristic Greek.	Chicago.	Hotel Barry, 59th st. and Washington av.
Waldo, Wilbur Albergince,	B.Th. (<i>Baptist Union Theological Seminary</i>) '92; Ph.B. (<i>Des Moines College</i>) '93. Systematic Theology. 4.	Drayton, N. D.	Fernwood, Ill.
Walker, Arthur Tappan,	A.B. (<i>University of the City of New York</i>) '87; A.M. (<i>Vanderbilt University</i>) '92. Latin, Greek, Comparative Philology. 1.	New York City.	31 G.
Walker, Dean Augustus,	A.B. (<i>Yale University</i>) '84; D.B. (<i>Ibid.</i>) '89; A.M. (<i>Ibid.</i>) '90. Semitic. 1.	Auburndale, Mass.	18 G.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Wallace, Elizabeth,	S.B. (<i>Wellesley College</i>) '86. Political Science, Romance. 4.	<i>Minneapolis, Minn.</i>	7 and 8 B.
Wallin, Madeleine,	L.B. (<i>University of Minnesota</i>) '92; Ph.M. (<i>University of Chicago</i>) '93. Political Science, History. 4.	<i>Fargo, N. Dak.</i>	32 B.
Ward, Henry Winfield,	S.B. (<i>Hartsville College</i>) '86; A.B. (<i>Western College</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Greek. 1.	<i>Sparta, Mich.</i>	5558 Drexel av.
Ware, Richard,	L.B. (<i>Columbian University</i>) '90. Political Economy, History. 1.	<i>Washington, D. C.</i>	5515 Woodlawn av.
Wasson, Van Rensselaer,	A.B. (<i>Union Christian College</i>) '87; A.M. (<i>Ibid.</i>) '90. Latin, Greek. 1.	<i>Sullivan, Ind.</i>	438, 57th st.
Weatherlow, Jane Knight,	A.B. (<i>Wellesley College</i>) English, Philosophy. 1.	<i>Seneca Falls, N.Y.</i>	47 F.
Webster, William Clarence,	A.B. (<i>Albion College</i>) '87, History, Political Science. 4.	<i>Chicago.</i>	5722 Kimbark av.
West, Max,	B.S. (<i>University of Minnesota</i>) '90; A.M. (<i>Columbia College</i>) '92; Ph.D. (<i>Columbia College</i>) '93, Political Economy, Social Science. 1.	<i>Chicago.</i>	University settlement, 4655 Gross av.
Whaley, John Byrd,	A.B. (<i>Western Maryland College</i>) '89. Semitic. 4.	<i>Plymouth, N. C.</i>	5720 Ellis av.
Whitcomb, Adele,	A.B. (<i>Vassar College</i>) '93. Political Economy. 1.	<i>Chicago.</i>	64, 24th st.
White, Henry Kirke,	A.B. (<i>Beloit College</i>) '88; A.M. (<i>Harvard College</i>) '92. Political Economy, Political Science. 1.	<i>Lanark.</i>	10 G.
Wilcox, William Craig,	A.B. (<i>University of Rochester</i>) '88; A.M. (<i>Ibid.</i>) '91. Political Science, History. 4.	<i>Rochester, N. Y.</i>	12 G.
Wilkins, Walter Eugene,	A.B. (<i>Furman University</i>) '93. English Literature. 1.	<i>Charleston, S. C.</i>	541, 55th st.
Wilkinson, Florence,	A.B. (<i>Wellesley College</i>) '92. English, Social Science. 1.	<i>Chicago.</i>	5835 Drexel av.
Willard, Laura,	S.B. (<i>Carleton College</i>) '87. Social Science, Political Economy. 4.	<i>Chicago.</i>	5555 Woodlawn av.
Williams, Frank North,	A.B. (<i>Oberlin College</i>) '92. Political Economy, History.	<i>Oberlin, O.</i>	52 Sn.
Willis, Henry Parker,	A.B. (<i>University of Chicago</i>) '94. Political Economy, Political Science.	<i>Racine, Wis.</i>	32 Sn.
Winston, Eugenia,	A.B. (<i>University of Wisconsin</i>) '90. Philology, Latin. 1.	<i>Chicago.</i>	363 E. 58th st.
Witkowsky, Esther,	A.B. (<i>Vassar College</i>) '86. Romance Languages, German. 3.	<i>Chicago.</i>	2802 Prairie av.
Wood, Alfred Augustus,	A.B. (<i>Oberlin College</i>) '82; A.M. (<i>Ibid.</i>) '87; S.T.B. (<i>Boston University</i>) '88. Philosophy, Comparative Religion. 1.	<i>Milwaukee, Wis.</i>	Preston Hotel, 55th st. and Jackson av.
Wood, Francis Asbury,	A.B. (<i>Northwestern University</i>) '89; A.M. (<i>Ibid.</i>) '83. German, English. 1.	<i>Aurora, Neb.</i>	5537 Lexington av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; B.D. (<i>Crozer Theological Seminary</i>) '89. Biblical Greek, Patristic Greek. 1.	<i>Philadelphia, Penn.</i>	146 D.
Zarbell, Ada,	A.B. (<i>University of Michigan</i>) '92. Comparative Philology, Latin. 1.	<i>Chicago.</i>	4132 Ellis av.
Zeublin, Charles,	Ph.B. (<i>Northwestern University</i>) '87; D.B. (<i>Yale University</i>) '89. Social Science, Political Economy. 4.	<i>Chicago.</i>	5134 Wabash av.

TOTAL, 180.

THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Barrett, Ernest Clifford,	S.B. (<i>Earlham College</i>) '93. Mathematics, Political Economy. 1.	<i>Spring Valley, O.</i>	5754 Washington av.
Barrett, Storrs Barrows,	A.B. (<i>University of Rochester</i>) '89. Astronomy, Physics. 4.	<i>Rochester, N. Y.</i>	Hotel Harcourt.
Bernhard, Adolph,	A.B. (<i>Johns Hopkins University</i>) '89. Chemistry, Physics. 4.	<i>Stone Creek, O.</i>	5622 Ellis av.
Bothe, August Carl,	A.B. (<i>Central Wesleyan College</i>) '89. Chemistry, Physics. 4.	<i>St. Paul Park, Minn.</i>	487 46th st.
Bownocker, John Adams,	S.B. (<i>Ohio State University</i>) '89. Geology. 4.	<i>Columbus, O.</i>	5425 Cottage Grove av.
Boyer, Emanuel Roth,	A.B. (<i>Harvard University</i>) '90. Zoology, Botany. 2.	<i>Englewood.</i>	645 62d st.
Bristol, Charles Lawrence,	S.B. (<i>University of the City of N. Y.</i>) '83; S.M. (<i>Ibid.</i>) '88; Zoology, Palæontology. 4.	<i>Ballston Spa, N. Y.</i>	5835 Drexel av.
Brode, Howard Stidham,	Graduate (<i>Illinois Normal University</i>) '88; Student (<i>Wood's Hull</i>) '90. Zoology, Physiology. 1.	<i>Urbana.</i>	804 64th st.
Buell, Ira Maynard,	Ph.B. (<i>Beloit College</i>) '78; A.M. (<i>Ibid.</i>) '81. Geology. 1.	<i>Beloit, Wis.</i>	The Harcourt, 57th st. & Madison av.
Chamberlain, Charles Joseph,	A.B. (<i>Oberlin College</i>) '88. Botany, Zoology. 1.	<i>Oberlin, O.</i>	6034 Woodlawn av.
Chesnut, Victor King,	S.B. (<i>University of California</i>) '90. Chemistry, Physics. 1.	<i>Oakland, Cal.</i>	5509 Monroe av.
Clapp, Cornelia Maria,	Ph.B. (<i>Syracuse University</i>); Ph.D. (<i>Ibid.</i>) '89. Zoology. 1.	<i>Montague, Mass.</i>	3154 Prairie av.
Cobb, Herbert Edgar,	A.B. (<i>Wesleyan University</i>) & A.M. (<i>Ibid.</i>). Mathematics, Astronomy. 1.	<i>Searsmont, Me.</i>	Hotel Barry, Madison av. & 59th st.
Cole, Aaron Hodgman,	A.B. (<i>Colgate University</i>) '84; A.M. (<i>Ibid.</i>) '87. Zoology. 1.	<i>Greenwich, N. Y.</i>	5926 Monroe av.
Cooke, Elizabeth,	S.B. (<i>University of Michigan</i>) '93. Physiology, Physics. 1.	<i>Chicago.</i>	35 F.
Cowles, Henry Chandler,	A.B. (<i>Oberlin College</i>) '93. Geology, Botany. 1.	<i>Kensington, Conn.</i>	5835 Drexel av.
Crofton, Alfred Charles,	A.B. (<i>Falkreall Gymnasium, Berlin, Ger- many</i>) '90. Chemistry, Physics.	<i>Chicago.</i>	Barrett House, Cottage Grove av.
Deaton, Eula Weston,	A.B. (<i>Industrial Institute and College of Miss.</i>) '89; Mathematics, English. 1.	<i>Childress, Tex.</i>	46 F.
Eycleshymer, Albert Chauncey,	S.B. (<i>University of Michigan</i>) Zoology, Neurology. 1.	<i>Hastings, Mich.</i>	5529 Monroe av.
Farr, Marcus Stults,	A.B. (<i>Princeton College</i>) '92; S.M. (<i>Ibid.</i>) '92; Palæontology, Zoology. 1.	<i>Cranbury, N. J.</i>	9 G.
Fenelon, Eunice Agnes,	S.B. (<i>Lawrence University</i>) '90. Mathematics, Political Economy. 1.	<i>Weyanngo, Wis.</i>	11 F.
Fiske, Winthrop Edwards,	A.B. (<i>Harvard College</i>) '90. Physics. 1.	<i>Lowell, Mass.</i>	5620 Ellis av.
Foley, Arthur Lee,	A.B. (<i>University of Indiana</i>) '90; (<i>Ibid.</i>) '91. Physics, Mathematics. 1.	<i>Bloomington, Ind.</i>	6042 Washington av.
Folin, Otto Knute Olaf,	S.B. (<i>University of Minnesota</i>) '92. Chemistry, Physics. 1.	<i>Stillwater, Minn.</i>	5622 Drexel av.
Ford, Elizabeth Keith,	(<i>Daughters College, Ky.</i>) Geology. 1.	<i>Paris, Ky.</i>	5612 Drexel av.
Fox, Herbert Wright,	A.B. (<i>Union College</i>) '93. Chemistry. 1.	<i>Detroit, Mich.</i>	43 Sn.
Froley, John William,	S.B. (<i>University of Missouri</i>) '88; S.M. (<i>Ibid.</i>) '89; Astronomy, Mathematics. 4.	<i>Canton, Mo.</i>	5630 Ingleside av.
Gillespie, William,	A.B. (<i>Toronto University</i>) '93. Mathematics, Physics. 1.	<i>Hamilton, Can.</i>	5708 Madison av.
Gordon, Charles Henry,	S.B. (<i>Albion College</i>) '86; S.M. (<i>Ibid.</i>) '90. Geology, Biology. 3.	<i>Chicago.</i>	453, 55th st.
Goodell, Frank Elbert,	A.B. (<i>University of Dakota</i>) '89. Chemistry. 1.	<i>Emerson, Ia.</i>	5835 Drexel av.
Hardcastle, Frances,	Mathematical Tripos (<i>Cambridge, Eng- land</i>); Part I, '91, Part II, '92. Mathematics. 1.	<i>London, Eng.</i>	5740 Monroe av.
Hardesty, Irving,	A.B. (<i>Wake Forest College</i>) '92. Zoology, Physiology, Histology. 1.	<i>Wakefield, N. C.</i>	24 Sn.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Harvey, Seth,	S.B. (<i>Wilmington College</i>) '91. Mathematics, Astronomy. 1.	<i>Ogden, O.</i>	56 Su.
Hay, Oliver Perry,	A.B. (<i>Eureka College</i>) '70; Ph.D. (<i>Indiana University</i>) '87. Paleontology. 4.	<i>Chicago.</i>	5626 Jefferson av.
Hesse, Bernhard Conrad,	Ph.C. (<i>University of Michigan</i>) '89; S.B. (<i>Ibid.</i>) '93. Chemistry, Physics. 1.	<i>Saginaw, E.S., Mich.</i>	7 Sn.
Hibbard, Herschel Vincent,	(<i>Northern Indiana Normal</i>). Physiology, Geology. 1.	<i>Valparaiso, Ind.</i>	6124 Wharton av.
Hopkins, Thomas Cramer,	S.B. (<i>De Pauw University</i>) '87; S.M. (<i>Ibid.</i>) '90; A.M. (<i>Leland Stanford University</i>) '92. Geology, Mineralogy. 1.	<i>Chicago.</i>	6149 Woodlawn av.
Huff, William Bashford,	A.B. (<i>University of Wisconsin</i>) '89. Mathematics. 3.	<i>Boscobel, Wis.</i>	The Harcourt.
Hutchinson, John Irwin,	A.B. (<i>Bates College</i>) '89. Mathematics, Astronomy. 4.	<i>Chicago.</i>	599 E. 65th st.
Jaquish, Ben Murray,	S.B. (<i>Cornell University</i>) '93. Chemistry. 1.	<i>Luzerne, Pa.</i>	865 Adams st.
Joffe, Solomon Achillowitz,	S.M. (<i>University of the City of New York</i>) '93. Mathematics, Mechanics. 1.	<i>Chicago.</i>	572 S. Halsted st.
Johnson, Herbert Parlin,	A.B. (<i>Harvard University</i>) '89; A.M. (<i>Ibid.</i>) '90; Ph.D. (<i>The University of Chicago</i>) '94. Zoology, Neurology. 4.	<i>Everett, Mass.</i>	5529 Monroe av.
Jones, Lander William,	A.B. (<i>Williams College</i>) '92. Chemistry, Physics. 1.	<i>Peoria, Ill.</i>	5415 Cottage Grove av.
Kümmel, Henry Barnard,	A.B. (<i>Beloit College</i>) '89; A.M. (<i>Harvard University</i>) '92. Geology. 4.	<i>Milwaukee, Wis.</i>	5620 Ellis av.
Lehman, Daniel Acker,	S.B. (<i>Normal School, Millersville, Pennsylvania</i>); Ph.B. (<i>Wesleyan University</i>). Mathematics, Astronomy. 1.	<i>Chambersburg, Pa.</i>	541, 55th st.
Leslie, George Lee,	S.B. (<i>University of Iowa</i>) '82; A.M. (<i>Ibid.</i>) '85. Physics, Astronomy. 1.	<i>Santa Barbara, Cal.</i>	55th & Washington av.
Lillie, Frank Rattray,	A.B. (<i>University of Toronto</i>) '91. Zoology, Neurology. 4.	<i>Toronto, Can.</i>	5316 Jackson av.
Lucas, Frederic Colby,	S.B. (<i>Harvard College</i>) '92. Paleontology. 1.	<i>Chicago.</i>	5722 Kimbark av.
Mautner von Markhof, Otto,	Ph.D. (<i>University of Vienna</i>) '90. Physics, Chemistry. 1.	<i>Vienna, Austria.</i>	3146 Wabash av.
Mead, Albert Davis,	A.B. (<i>Middlebury College</i>) '80; A.M. (<i>Brown University</i>) '92. Zoology, Neurology. 4.	<i>Chicago.</i>	17 Ray st.
Miller, Merton Leland,	A.B. (<i>Colby University</i>) '90. Anthropology, Biology. 4.	<i>Lowell, Mass.</i>	5620 Ellis av.
Mitchell, Benjamin Sidney,	S.B. (<i>Wake Forest College</i>) '90. Chemistry, Physics. 1.	<i>Youngsville, N. C.</i>	43 Sn.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Physiology. 1.	<i>Chicago.</i>	824, 62d st.,
Munson, John P.,	S.B. (<i>University of Wisconsin</i>) '87; S.M. (<i>Ibid.</i>) '92; Ph.B. (<i>Yale University</i>) '92. Zoology, Physiology. 1.	<i>Shabbona.</i>	691, 57th st.
Newby, Charles B.,	S.B. (<i>Earlham College</i>) '89. Chemistry, Physics. 4.	<i>Converse, Ind.</i>	Keene Hotel, 55th st.
Peet, Charles Emerson,	S.B. (<i>University of Wisconsin</i>) '92. Geology, Mineralogy. 4.	<i>Good Hope.</i>	5620 Ellis av.
Perisho, Elwood Chappell,	S.B. (<i>Earlham College</i>) '87; S.M. (<i>Ibid.</i>) '91. Geology, Mineralogy. 1.	<i>Carmel, Ind.</i>	Keene Hotel, 55th st.
Quereau, Edmund Chase,	Ph.B. (<i>Northwestern University</i>) '88; Ph.M. (<i>Ibid.</i>) '92; Ph.D. (<i>Freiburg, Baden</i>) '93. Geology, Petrology. 1.	<i>Aurora.</i>	5757 Madison av.
Schottenfels, Ida May,	Ph. B. (<i>Northwestern University</i>) '92. Mathematics. 1.	<i>Chicago.</i>	5810 Drexel av.
Slaught, Herbert Ellsworth,	A.B. (<i>Colgate University</i>) '83; A.M. (<i>Ibid.</i>) '86. Mathematics, Astronomy. 4.	<i>Englewood.</i>	440, 64th st.
Smith, James Archy,	Ph.B. (<i>Denison University</i>) '89; A.M. (<i>Ibid.</i>) '92. Mathematics. 4.	<i>Mercer's Bottom, W. Va.</i>	438, 57th st.
Smith, Warren Rufus,	A.B. (<i>Bowdoin College</i>) Chemistry, Physics. 4.	<i>Litchfield Corners, Me.</i>	5622 Ellis av.
Stafford, John,	A.B. (<i>University of Toronto</i>) '87; D.B. (<i>Morgan Park Theological Seminary</i>) '89. Physiological Psychology, Neurology. 1.	<i>Flesherton, Can.</i>	6124 Wharton av.
Stone, Harriet,	A.B. (<i>Wellesley College</i>) '89. Chemistry, Physics, Mathematics. 4.	<i>Chicago.</i>	3352 Indiana av.
Stone, Isabelle,	A.B. (<i>Wellesley College</i>) '90. Physics, Chemistry. 1.	<i>Chicago.</i>	3352 Indiana av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Sturges, Mary Mathews,	S.B. (<i>University of Michigan</i>) '93. Zoology, Physiology. 1.	Oak Park.	19 B.
Swartz, Samuel Ellis,	A.B. (<i>Derison University</i>) '79. Chemistry, Physics. 4.	Chicago.	5726 Drexel av.
Taylor, Edward Everett,	Ph.B. (<i>University of Michigan</i>). Physics, Chemistry.	Owosso, Mich.	543, 55th st.
Taylor, Nellie M.,	A.B. (<i>Hanover College</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics, Philosophy. 1.	Hanover, Ind.	11 F.
Taylor, William Edgar,	A.B. (<i>Clinton College</i>) '79; A.M. (<i>Ibid.</i>) '85; S.M. (<i>Purdue University</i>) '92. Paleontology, Zoology, Geology. 3.	Chicago.	5427 Cottage Grove av.
Torrey, Clarence Almon,	Ph.B. (<i>Cornell College</i>) '90. Mathematics. 4.	Manchester, Ia.	541, 55th st.
Welch, Jeanette Cora,	A.B. (<i>Wellesley College</i>) '89. Philosophy, Physics. 1.	Chicago.	335 So. Halsted st.
Whitney, Albert Wurts,	A.B. (<i>Beloit College</i>) '91. Physics, Mathematics. 1.	Beloit, Wis.	Hotel Harcourt.
Willard, Daniel Everett,	A.B. (<i>Oxford University</i>) '88; A.M. (<i>Ibid.</i>) '90. Geology, Biology. 4.	Nile, N. Y.	6124 Wharton av.
Willard, Emma.	A.B. (<i>Oberlin College</i>) '88; A.M. (<i>University of California</i>) '91. Geology, Physics.	Chicago.	5555 Woodlawn av.
Wolfe, Katharine Margaret,	L.B. (<i>Adrian College</i>); S.B. (<i>Ibid.</i>) Biology, Physics. 1.	Tiffin, O.	26 B.
Wood, Robert Williams,	A.B. (<i>Harvard University</i>) '91. Chemistry, Physics. 4.	Chicago.	5237 Jefferson av.
TOTAL, 77.			

THE NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Abbott, Mary Merriman,	A.B. (<i>Vassar College</i>) '78. Social Science and Anthropology.	Hendersonville, N. C.
Bosworth, Anne Lucy,	B.S. (<i>Wellesley College</i>) '90. Mathematics.	22 Harris av., Woonsocket, R. I.
Breasted, James H.,	A.B. (<i>Northwestern College</i>) '89. Semitic.	Berlin, Germany.
Brown, John Burrows,	A.B. (<i>Knox College</i>) '86; A.M. '89. Constitutional History.	Roseville.
Burris, William Paxton,	Ph.B. (<i>De Pauw University</i>) '91. Philosophy.	Bluffton, Ind.
Campbell, Peter Sinclair,	A.B. (<i>Toronto University</i>) '77. Greek.	92 Yorkville av., Toronto, Can.
Estey, Stephen Sewell,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>Ibid.</i>) '87. Social Science.	Humboldt, Kans.
Hull, Daniel,	A.B. (<i>Toronto University</i>) '89. Mathematics.	Toronto, Canada.
Hulley, Eloise Mayham,	A.B. (<i>University of Michigan</i>) '90; A.M. (<i>University of Chicago</i>) '94. Philosophy.	Lewisburg, Pa.
Hulley, Lincoln,	A.B. (<i>Bucknell University</i>) '88; A.B. (<i>Harvard College</i>) '89; A.M. (<i>Bucknell University</i>) '91. Semitic.	Lewisburg, Pa.
Jones, Frank William,	S.B. (<i>Wisconsin State University</i>) '92. Geology.	Elk Grove, Wis.
Locy, William A.,	B.S. (<i>University of Michigan</i>) '81; S.M. (<i>Ibid.</i>) '84. Zoology. II yr.	Lake Forest.
McKee, William Parker,	A.B. (<i>Wabash College</i>) '83, D.B. (<i>Morgan Park Theological Seminary</i>) '87. Ancient History.	522, 12th av. S. E., Minneapolis, Minn.
McPheeters, William Marcellus,	A.B. (<i>Washington and Lee University</i>) '74. Semitic.	Columbia, S. C.
Patton, Walter M.,	D.B. (<i>Wesleyan Theological College, Montreal</i>). Semitic.	228 University st., Montreal, Canada.
Peirce, Louise Stephens Fagan,	A.B. (<i>Vassar College</i>) '88. Philosophy.	Gambier, Ohio.
Plumb, George H. R.,	Ph.B. (<i>Lafayette College</i>) '77; A.M. (<i>Ibid.</i>) '80. Political Economy.	Glencoe, Cook Co., Ill.
Pratt, Alice E.,	Ph.B. (<i>University of California</i>) '92; Ph.M. (<i>University of Chicago</i>) '93. English.	British Museum, London, Eng.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Smith, William H.,	A.B. (<i>Amherst College</i>) '90. Comparative Philology.	<i>Lahaina, Maui, H. I.</i>
Townsend, Edgar J.,	Ph M. (<i>Albion College</i>) '90; Ph.M. (<i>University of Michigan</i>) '92. Mathematics.	<i>Champaign, Ill.</i>
Treadwell, A. L.,	B.S. (<i>Wesleyan University</i>) '88; S.M. (<i>Ibid.</i>) '90. Zoology.	<i>Miami University, Oxford, O.</i>
Udden, John August,	A.B. (<i>Augustana College</i>) '81; A.M. (<i>Ibid.</i>) '89. Geology.	<i>1000, 38th st., Rock Island.</i>
Walker, Buzz M.,	B.S. (<i>Agricultural and Mechanical College of Mississippi</i>) '83; M.S. (<i>Ibid.</i>) '86. Mathematics.	<i>Agricultural College, Miss.</i>
Walton, Frederick J.,	A.B. (<i>Brown University</i>) '80; A.M. (<i>Ibid.</i>) '83. Semitic.	<i>6949 Webster av., Englewood.</i>
Willett, Herbert Lockwood,	A.B. (<i>Bethany College</i>); A.M. (<i>Ibid.</i>) '86. Semitic. II yr.	<i>Ann Arbor, Mich.</i>
Wood, Irving F.,	A.B. (<i>Hamilton College</i>) '85; A.M. (<i>Ibid.</i>) '88; D.B. (<i>Yale University</i>) '92. Philosophy.	<i>Smith College, Northampton, Mass.</i>
Wright, Frederick Herbert,	A.B. (<i>Mt. Allison College</i>) '75. Semitic.	<i>Grand Pre, N. S.</i>
		TOTAL, 27.

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Aitchison, John Young,	A.B., (<i>Des Moines College</i>) '93. I yr.	<i>Des Moines, Ia.</i>	135 D.
Allen, Charles William,	A.B. (<i>Bucknell University</i>) '92. II yr.	<i>Seranton, Pa.</i>	45 D.
Allen, Jr., Ira Wilder,	A.B., A.M. (<i>Williams College</i>) '81. II yr.	<i>Englewood.</i>	612 Maple st.
Allison, Matthew Gay,	A.B. (<i>Dalhousie College</i>) '86; A.M. (<i>Princeton</i>) '89; (<i>Union Theological Seminary</i>) '90. IV yr.	<i>Windsor, N. S.</i>	108 D.
Atchley, Isaac Carroll,	A.B. (<i>Drury College</i>) '93. I yr.	<i>Springfield, Mo.</i>	35 D.
Bale, George A.,	Ph.D. (<i>Des Moines College</i>) '93. I yr.	<i>Ames, Ia.</i>	154 D.
Beyl, John Lewis,	S.B. (<i>Borden Institute</i>) '89. I yr.	<i>Jeffersonville, Ind.</i>	108 D.
Borden, Edward Howard,	A.B. (<i>Aeadia University</i>) '92. II yr.	<i>Truro, N. S.</i>	109 D.
Bowen, Everett Anthony,	A.B. (<i>Brown University</i>) '92. II yr.	<i>Providence, R. I.</i>	129 D.
Brewster, Marilla Mark,	(<i>New Hampton Literary and Biblical Institute</i>). I yr.	<i>N. Danville, N. H.</i>	5515 Woodlawn av.
Braker, Jr., George,	A.B. (<i>Colgate University</i>) '93. I yr.	<i>Brooklyn, N. Y.</i>	138 D.
Brandsmark, Anders Larsen,	(<i>Morgan Park Theological Seminary</i>) III yr.	<i>Slagelse, Denmark.</i>	87 D.
Bronson, Fred C. G.,	A.B. (<i>Yale University</i>) '92. II yr.	<i>Norwich, Conn.</i>	105 D.
Bruce, Preston P.,	A.B. (<i>Cornell College, Iowa</i>) '93. I yr.	<i>Manchester, Ia.</i>	78 D.
Brownson, Edwin Julius,	A.B. (<i>Colgate University</i>) (<i>Newton Theological Seminary</i>). IV yr.	<i>Englewood.</i>	529, 61st.
Case, Carl Delos,	A.B. (<i>Colgate University</i>) '91. II yr.	<i>St. Anthony Park, Minn.</i>	126 D.
Cabeen, James Wallace,	A.B. (<i>Ripon College</i>) '88; B.D. (<i>Morgan Park Theological Seminary</i>) '93. IV yr.	<i>Chicago.</i>	7134 Champlain al., Brookline Park.
Chalmers, William Everett,	A.B. (<i>Brown University</i>) '93. I yr.	<i>Paterson, N. J.</i>	133 D.
Chapin, Judson Clarke,	A.B. (<i>University of Rochester</i>) '89. II yr.	<i>Chicago.</i>	3816 Rhodes av.
Coon, Daniel Israel,	A.B. (<i>State University of Iowa</i>) '89.	<i>Osage, Ia.</i>	6126 Wharton av.
Coon, David Burdette,	S.B. (<i>Milton College</i>) '91. III yr.	<i>Chicago.</i>	5455 Monroe av.
Cressey, Frank Graves,	A.B. (<i>Brown University</i>) '91. II yr.	<i>Los Angeles, Cal.</i>	133 D.
Criswell, John Marion,	A.B. (<i>Denison University</i>) '92. II yr.	<i>S. Kirtland, O.</i>	136 D.
Davis, John Tinsdale,	A.B. (<i>Alfred University</i>) '89. IV yr.	<i>Alfred Center, N. Y.</i>	48 D.
Davis, Ulysses Sherman,	A.B. (<i>Denison University</i>) '92. II yr.	<i>Youngstown, O.</i>	77 D.
Dickerson, Philip Jackson,	(<i>Dennison University</i>) '79; (<i>Heidelberg, Ohio</i>) '90.	<i>Chicago.</i>	5606 Ellis av., Brook- line Park.
Eakin, John Alexander,	A.B. (<i>Beloil College</i>) '87. II yr.	<i>Elgin.</i>	55 D.
Eaton, William Henry,	A.B. (<i>Ottawa University</i>) '93. I yr.	<i>Ottawa, Kans.</i>	86 D.
Eddy, William Jobes,	A.B. (<i>West Virginia University</i>) '93. I yr.	<i>Cross Roads, W. Va.</i>	34 D.
Eubank, Marian D.,	A.B. (<i>William Jewell College</i>), M.D. (<i>Marrison Simms College of Medicine</i>) '91. I yr.	<i>Pleasant Hill, Mo.</i>	137 D.
Fisk, Henry Alfred,	L.B. (<i>University of California</i>) '91. II yr.	<i>St. Charles.</i>	70 D.
Fletcher, Charles Wesley,	A.B. (<i>Wheaton College</i>) '92. I yr.	<i>Chicago.</i>	127 D.
Ford, John Elijah,	(<i>Beloil College Academy</i>) '91. III yr.	<i>Chicago.</i>	57 D.
Frantz, Edward,	A.B. (<i>Ohio Normal University</i>) '91. II yr.	<i>Chicago.</i>	5423 Monroe av.
Georges, Mooshie,	(<i>Orooniah College, Persia</i>). I yr.	<i>Orooniah, Persia.</i>	110 D.
Goodman, Alfred Ebenezar,	A.B. (<i>Ottawa University</i>) '91. II yr.	<i>Antrim, Kans.</i>	132 D.
Grant, John Hiram,	A.B. (<i>Amherst College</i>) '92. II yr.	<i>Goldsborough, N. C.</i>	129 D.
Grarup, Christ Petersen,	(<i>Morgan Park Theological Seminary</i>). III yr.	<i>N. Suede, Denmark.</i>	87 D.
Griffeth, Benjamin Franklin,	A.B. (<i>University of Chicago</i>). I yr.	<i>Lula, Va.</i>	5724 Drexel av.
Guard, Paul,	Th.B. (<i>Oberlin</i>) '93. I yr.	<i>Cleves, O.</i>	65 D.
Hageman, Simon Sylvester,	A.B. (<i>Ottawa University</i>) '93. I yr.	<i>Clifton, Kas.</i>	85 D.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Halbert, William Chase,	A.B. (<i>La Grange College</i>) '92. II yr.	<i>Plymouth.</i>	66 D.
Hanson, Howland,	A.B. (<i>Princeton College</i>) '92. II yr.	<i>Savannah.</i>	Keene Hotel.
Hazelton, Carl Dorsey,	A.B. (<i>Franklin College</i>) '93. I yr.	<i>Richmond, Ind.</i>	148 D.
Herrick, Julian Avery,	S.B. (<i>La Grange College</i>) '92. II yr.	<i>La Grange, Mo.</i>	79 D.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91.	<i>Pavilion.</i>	578 E. 60th st.
Hicks, Franklin Benjamin,	A.B. (<i>Beloit College</i>) '85. I yr. III yr.	<i>Wayne.</i>	Wayne.
Holcomb, George Perry,	A.B. (<i>University of Rochester</i>) '89. IV yr.	<i>Rochester, N. Y.</i>	75 D.
Horne, George,	A.B. (<i>Ottawa University</i>) '91. III yr.	<i>Chicago.</i>	132 D.
Howard, Harry,	A.B. (<i>Trinity College</i>) '91. III yr.	<i>Chicago.</i>	5548 Ingleside av.
Howard, Walter Simon,	A.B. (<i>University of Rochester</i>) '91. I yr.	<i>Port Huron, Mich.</i>	122 D.
Hurley, Hugh Henry,	(<i>Woodstock College, Ontario</i>). I yr.	<i>Chater, Man.</i>	44 D.
Irvine, William Franklin,	A.B. (<i>University of Manitoba</i>) '91. III yr.	<i>Yorkville.</i>	Yorkville.
Ingraham, Lee Joseph,	A.B. (<i>Acadia University</i>) '91. I yr.	<i>Frizzleton, Nova Scotia.</i>	83 D.
Jones, Henry Farrar,	(<i>Ottawa University</i>) '91. II yr.	<i>Berdena, Kans.</i>	143 D.
Johnson, Philip Matthew,	B.L. (<i>South West Baptist College</i>) '89. A.B. (<i>Ibid.</i>) '91. I yr.	<i>Springfield, Mo.</i>	5830 Rosalie ct.
Kinney, Bruce,	A.B. (<i>Denison University</i>) '92. II yr.	<i>Plano.</i>	128 D.
Lake, Elisha Moore,	(<i>Bucknell University</i>). III yr.	<i>Elmira, N. Y.</i>	141 D.
Larson, Nels R.,	(<i>Morgan Park Theological Seminary</i>). III yr.	<i>Morgan Park.</i>	119 D.
Laudahl, Nels Lorenson,	(<i>Morgan Park Theological Seminary</i>). III yr.	<i>Kasson, Minn.</i>	119 D.
Leadingham, John,	A.B. (<i>Oberlin</i>) '83; (<i>Oberlin Seminary</i>) '87.	<i>Oberlin, O.</i>	80 D.
Lemon, Charles Augustus,	A.B. (<i>Colgate University</i>) '92. II yr.	<i>Attica, N. Y.</i>	142 D.
Lockhart, John Moses,	L.B. (<i>Denison University</i>) '92. II yr.	<i>Harvey.</i>	Harvey.
Martin, Benjamin F.,	(<i>Morgan Park Theological Seminary</i>) III yr.	<i>Berwyn.</i>	Berwyn.
McKinney, Everson Ryder,	L.B. (<i>University Minnesota</i>) '87. I yr.	<i>Rochelle.</i>	69 D.
Morgan, James Albert,	A.B. (<i>Franklin College</i>) '93. I yr.	<i>Montgomery, Ind.</i>	5550 Drexel av.
Myhrmann, David,	(<i>Baptist Theological Seminary, Sweden</i>). II yr.	<i>Stoekholm, Sweden.</i>	73 D.
Nichols, Walter Hammond,	S.B. (<i>University of Michigan</i>). Special.	<i>Ann Arbor, Mich.</i>	5800 Jackson av.
Nichols, Ettie B.,	(<i>University of Michigan</i>). Special.	<i>Ann Arbor, Mich.</i>	5800 Jackson av.
Noftsinger, John Eubank,	(<i>Morgan Park Theological Seminary</i>). III yr.	<i>Lithia, Va.</i>	144 D.
Nordlander, Eric Johan,	(<i>Morgan Park Theological Seminary</i>). III yr.	<i>Roseland.</i>	Roseland.
Osborn, Loran David,	A.B. (<i>University of Michigan</i>) '91. II yr.	<i>Grand Rapids, Mich.</i>	76 D.
Peterson, William August,	D.B. (<i>Morgan Park Theological Seminary</i>) '90. IV yr.	<i>Chicago.</i>	97 D.
Phillips, Daniel Thomas,	(<i>Haverford College, Wales</i>) '64. II yr.	<i>Chicago.</i>	7142 Kinney av.
Phillips, Nellie Maria,	S.B. (<i>Hillsdale College</i>) '75. Special.	<i>Chicago.</i>	5515 Woodlawn av.
Proctor, John Thomas,	A.B. (<i>William Jewell College</i> ,) '91. II yr.	<i>Philadelphia, Mo.</i>	Windsor Park.
Randall, John Herman,	A.B. (<i>Colgate University</i>) '92. I yr.	<i>St. Paul, Minn.</i>	5825 Kimbark av.
Read, Eliphalet Allison,	A.B. (<i>Acadia University</i>) '91. III yr.	<i>Berwick, Nova Scotia.</i>	128 D.
Rhodes, Jesse Cassandra,	A.B. (<i>Franklin College</i>) '92. II yr.	<i>Rensselaer, Ind.</i>	5550 Drexel av.
Rocen, Johan,	(<i>Swedish Theological Seminary, Morgan Park</i>) '92. I yr.	<i>Chicago.</i>	101 D.
Sanders, James Franklin,	A.B. (<i>Furman University</i>) '92. II yr.	<i>Sahuda, S. C.</i>	93 D.
Sanderson, Eugene Claremont,	A.B. (<i>Oskaloosa College</i>) '83; A.M. (<i>Drake University</i>) '86; D.B. (<i>Drake Divinity School</i>) '93. IV yr.	<i>Taeoma, Wash.</i>	358, 65th st.
Shatto, Charles Rollin,	A.B. (<i>Western College, Toledo, Iowa</i>) '90. III yr.	<i>Toledo, Ia.</i>	130 D.
Starkweather, Earnest Edward,	A.B. (<i>Ottawa University</i>) '91. III yr.	<i>Clay Centre, Kans.</i>	Englewood Y.M.C.A.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>). III yr.	<i>City of Mexico, Mexico.</i>	145 Oakwood boul.

THE QUARTERLY CALENDAR.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Stevens, Almon Odell,	A.B. (<i>Bucknell University</i>) '91. II yr.	<i>Kingsley, Pa.</i>	136 D.
Taylor, William Brooks.	A.B. (<i>College of Liberal Arts of Kentucky University</i>) '93. IV yr.	<i>Lexington, Ky.</i>	71 D.
Topping, Henry,	A.B. (<i>Rochester University</i>) '92; B.D. (<i>Baptist Union Theological Seminary</i>) '92.	<i>Columbia, S. C.</i>	
Tustin, Paul,	A.B. (<i>Bucknell University</i>) '91. II yr.	<i>Bloomsburg, Pa.</i>	121 D.
Varney, Edgar Dow,	A.B. (<i>Bates College</i>) '86.	<i>Fort Collins, Colo.</i>	6126 Wharton av.
Waldo, William Albergince,	Th.B. (<i>Morgan Park Theological Seminary</i>) '92. I yr. B.Ph. (<i>Des Moines College</i>) '93. IV yr.	<i>Drayton, N. Dak.</i>	Fernwood.
Ward, John Albert,	S.B. (<i>Western College</i>) '89. III yr.	<i>Odon, Ind.</i>	150 D.
Watson, Arthur Tilley,	A.B. (<i>Colby University</i>) '91. II yr.	<i>Oakland, Me.</i>	151 D.
Wilkin, William Arthur,	A.B. (<i>Denison University</i>) '93. IV yr.	<i>New Market, O.</i>	69 D.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. II yr.	<i>Maywood.</i>	5825 Kimbark av.
Wood, George R.,	Ph.B. (<i>Denison University</i>) '88; B.D. (<i>Morgan Park Theological Seminary</i>) '91. IV yr.	<i>Joliet.</i>	Joliet, Ill.
Wood, William Robert,	(<i>University of Colorado</i>). II yr.	<i>Chicago.</i>	6231 Sheridan av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; Crozer Theological Seminary) '89. IV yr.	<i>Philadelphia, Pa.</i>	146 D.
Wright, George Clarence,	A.B. (<i>Denison University</i>) '93. I yr.	<i>Englewood.</i>	520 Maple st.
Wyant, Andrew Robt. Elmer,	A.B. (<i>Bucknell University</i>) '92. II yr.	<i>Adrian, Pa.</i>	112 D.
		TOTAL, 102.	

THE ENGLISH THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Allen, Hiram Howard,	(<i>Cedar Valley Seminary</i>). I yr.	<i>Bassett, Neb.</i>	6617 Laffin av.
Bailey, Robert,	(<i>Morgan Park Theological Seminary</i>). III yr.	<i>Barrington.</i>	120 D.
Blake, James,	(<i>Hulme Cliff College</i>) '89. II yr.	<i>Chicago.</i>	1145 Lexington av.
Berry, Henry Havelock,	(<i>Hebron Academy</i>) '85. I yr.	<i>West Sumner, Me.</i>	878, 35th st.
Bixon, Frank Prince,	(<i>Denison University, also Ohio Institute for Blind</i>) '89. III yr.	<i>New York, N. Y.</i>	140 D.
Boynton, Melbourn Parker,	(<i>California College</i>). II yr.	<i>Newark.</i>	54 D.
Broomfield, Thomas,	Special. (<i>Moody Bible Institute</i>) '92.	<i>Mapleton, Minn.</i>	152 D.
Carroll, Robert,	(<i>Private School, Zenorville, Ia.</i>) II yr.	<i>Earlville.</i>	5743 Kimbark av.
Case, Frank Almerian,	(<i>Georgetown College</i>). II yr.	<i>Waterman.</i>	63 D.
Davies, Frederick George,	(<i>Nebraska City College</i>). III yr.	<i>Somonauk.</i>	390, 57th st.
Dent, Joseph Croft,	(<i>The Bible Institute, Chicago</i>) '91. I yr.	<i>Maplewood.</i>	39 D.
Dexter, Stephen Byron,	(<i>Bible Institute, Chicago</i>) '90. I yr.	<i>Polo.</i>	37 D.
Dewey, Walter Levi,	(<i>Dennison—Soph.</i>) '92. II yr.	<i>Willoughby, O.</i>	52 D.
Elliott, John Waterman,	(<i>Morgan Park Theological Seminary</i>) III yr.	<i>Riverdale.</i>	Riverdale.
Evans, Thomas Silas,	Special studies (<i>Woodstock College; McMaster University, Toronto</i>). (Woodstock College.) I yr.	<i>Toronto, Can.</i>	84 D.
Fradenburg, John Victor,	(<i>Woodstock College</i>). I yr.	<i>Upper Ontario.</i>	141 D.
Giblett, Thomas John,	(<i>East London Institute, London, Eng.</i>)	<i>Marley.</i>	152 D.
Gill, Theophilus Anthony,	(<i>Princeton College</i>) '83. II yr.	<i>West Park on the Hudson, N. Y.</i>	50 D.
Grablachoff, Wiliko,	(<i>Crozer Theological Seminary</i>). II yr.	<i>Tuleho, Rumania.</i>	62 D.
Hatch, Elmer Ellsworth,	(<i>California College</i>). I yr.	<i>Lafayette, Cal.</i>	143 D.
Hole, Charles Boyd,	(<i>Morgan Park Theological Seminary</i>). II yr.	<i>Fairbury, Neb.</i>	140 D.
Hoyt, John Lewis,	(<i>Hamilton College</i>) '93. III yr.	<i>Sennett, N. Y.</i>	541, 55th st.
Jones, John W.,	A.B. (<i>Kansas Normal College</i>) '86. II yr.	<i>Parsons, Kans.</i>	1043 Otto st.
Lockwood, Clarence Herman,	(<i>Cedar Valley Seminary</i>) '90. I yr.	<i>Coldwater, Ia.</i>	5709 Drexel av.

NAME.	DEGREE AND PLACE ; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Lockwood, Mrs. Emma Little,	Special. (<i>Des Moines College</i>) '93.	<i>Coldwater, Ia.</i>	5709 Drexel av.
Loughridge, John Wilfred,	(<i>Claysburg, Tenn., High School</i>) '85. III yr.	<i>Ryerson Station, Pa.</i>	145 D.
Mason, George Claude,	(<i>High School, Jacksonville, Ill.</i>) I yr.	<i>Mason City, Ia.</i>	109 D.
McDonald, Ephraim Harvey,	(<i>Bucknell University.</i>) III yr.	<i>Detroit, Mich.</i>	57 D.
Morgan, Jennie Chaille,	(<i>Franklin College.</i>) Special.	<i>Chicago.</i>	5550 Drexel av.
Paul, Joseph,	(<i>Military School, India.</i>) I yr.	<i>North Henderson.</i>	81 D.
Robinson, Charles Wirt,	(<i>Cook Academy.</i>) II yr.	<i>North Hector, N. Y.</i>	47 D.
Robinson, Ulysses G.,	(<i>Colgate, four years.</i>) I yr.	<i>Englewood.</i>	5604 Wentworth av.
Schlamann, Ernest Alfred,	(<i>Indiana State Normal.</i>) II yr.	<i>Terre Haute, Ind.</i>	88 D.
Smith, Charles Houston,	(<i>Michigan State Normal School.</i>) I yr.	<i>Chicago.</i>	109 South Leavitt st.
Smith, Thaddeus L.,	(<i>Moody's Bible Institute.</i>) III yr.	<i>Millburn.</i>	Washington Park Hotel.
Speicher, John Gabriel,	M.D. (<i>University of Iowa</i>) '83. II yr.	<i>Hudson, Ia.</i>	272, 90th st.
Stewart, John Henry.	(<i>Morgan Park Theological Seminary.</i>) III yr.	<i>Newcastle-on-Tyne, Eng.</i>	145 D.
Stucker, Edwin Stanton,	(<i>Morgan Park Theological Seminary, Ottawa University.</i>) III yr.	<i>Aurora.</i>	144 D.
Summers, Marshall Aaron,	(<i>Dennison University</i>) '93. I yr.	<i>Hinckley.</i>	60 D.
Thompson, Thora Maria,	(<i>Pittsburg Academy.</i>) III yr.	<i>Montevideo, Minn.</i>	
Troyer, Leroy Ellsworth,	B.S. (<i>University of Nebraska</i>) '92. I yr.	<i>Dorchester, Neb.</i>	841 West Polk st.
Vreeland, Charles Frank,	(<i>Michigan State Normal School.</i>) II yr.	<i>Michigan City, Ind.</i>	51 D.
West, John Sherman,	B.S. (<i>Massachusetts Agricultural College</i>) '90. I yr.	<i>Belchertown, Mass.</i>	63 D.
Witt, Stephen,	(<i>Hulme Cliff College</i>) '93. I yr.	<i>Emery Down Lyndhurst, Hants, Eng.</i>	59 D.
Wood, Joel Franklin.	S.B. (<i>Franklin College</i>) '90. II yr.	<i>Smithfield, O.</i>	92 D.
		TOTAL, 45.	

THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE ; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Andersen, Hans Peter,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Chicago.</i>	107 D.
Andersen, Hans Martin,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Arondal, Norway.</i>	98 D.
Borsheim, Sjur Olson,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Bergen, Norway.</i>	98 D.
Hansen, Theodore,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Oconomowoc, Wis.</i>	115 D.
Johnson, Edward Peter,	(<i>Morgan Park Scandinavian Academy.</i>) III yr.	<i>Minneapolis, Minn.</i>	119 D.
Nielsen, Martin,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Alden P. O., Minn.</i>	107 D.
Overgaard, Peder Pedersen,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Bjarko, Norway.</i>	97 D.
Rasmussen, Lars,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Berton, S. Dak.</i>	115 D.
		TOTAL, 8.	

THE SWEDISH THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE ; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Berglund, Magnus,	(<i>Morgan Park Scandinavian Academy.</i>) II yr.	<i>Dekalb.</i>	34 D.
Carlson, Sven Gustaf,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Svea, Ia.</i>	117 D.
Carlson, John Amandus,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>New York, N. Y.</i>	117 D.
Clint, Rudolf Anton,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Jamestown, N. Y.</i>	114 D.
Johnson, John Daniel,	(<i>Morgan Park Scandinavian Academy.</i>) I yr.	<i>Litchfield, Minn.</i>	114 D.

NAME.	DEGREE AND PLACE; YEAR IN DIV. SCHOOL.	HOME ADDRESS.	PRESENT ADDRESS.
Lawrence, Antone Oliver,	(<i>Morgan Park Scandinavian Academy.</i>) 11 yr.	<i>Omaha, Neb.</i>	111 D.
Lindblad, Edward Sigurd,	(<i>Morgan Park Scandinavian Academy.</i>) 11 yr.	<i>Oakland, Neb.</i>	101 D.
Nelson, Sven August,	(<i>Morgan Park Scandinavian Academy.</i>) 11 yr.	<i>Kiron, Ia.</i>	113 D.
Nelson, Swaney August,	(<i>Morgan Park Scandinavian Academy.</i>) 1 yr.	<i>Minneapolis, Minn.</i>	118 D.
Nilson, Carl Anton,	(<i>Morgan Park Scandinavian Academy.</i>) 11 yr.	<i>Chicago.</i>	113 D.
Nylin, Carl Emil,	(<i>Morgan Park Scandinavian Academy.</i>) 1 yr.	<i>Kansas City, Mo.</i>	116 D.
Olson, Lewis Ernest,	(<i>Morgan Park Scandinavian Academy.</i>) 1 yr.	<i>Forest City, Ia.</i>	118 D.
Sandell, Victor,	(<i>Morgan Park Scandinavian Academy.</i>) 1 yr.	<i>Iron River, Mich.</i>	116 D.
TOTAL, 13.			

THE UNIVERSITY COLLEGES.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST ^r .R.	HOME ADDRESS.	PRESENT ADDRESS.
Barnes, Samuel Denham,	S.B., II yr.	<i>Beloit College.</i>	<i>Chicago.</i>	3617 Prairie av.
Behan, Warren Palmer,	A.B., II yr.	<i>Beloit College.</i>	<i>Chicago.</i>	448 Bowen av.
Blackmarr, Frank Hamlin,	S.B., II yr.	<i>Alleghany College, James-town, N. Y.</i>	<i>Englewood.</i>	613 Chestnut st.
Boomer, Jennie Kathryn,	Ph.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	353 East 46th st.
Castle, Mary,	Ph.B., II yr.	<i>Bucknell University.</i>	<i>Alexandria, O.</i>	5440 Monroe av.
Chadbourn, Frank Wesley,	A.B., II yr.	<i>University of Rochester.</i>	<i>Columbus, Wis.</i>	5722 Kimbark av.
Chandler, William Wilford	A.B., I yr.	<i>William Jewell College.</i>	<i>Kansas City.</i>	5853 Wabash av.
Church, Harry Victor,	Ph.B., II yr.	<i>College of Emporia.</i>	<i>Burlington, Kans.</i>	12 Sn.
Curtis, John Birdsey,	A.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	7437 Nutt av.
Daniels, Mary Lucretia,	A.B., II yr.	<i>Vassar College.</i>	<i>New Haven, Ct.</i>	26 Kl.
Dougherty, Mabel,	A.B., I yr.	<i>University of Michigan.</i>	<i>Pcoria.</i>	5 F.
Eastman, Frederick Wilson,	A.B., I yr.	<i>University of Rochester.</i>	<i>Pearl Creek, N. Y.</i>	5835 Drexel av.
Ellis, Hallie Centennial,	A.B., II yr.	<i>LL.B. (University of Michigan)'90; LL.M. (Ibid.) '92.</i>	<i>Freeport.</i>	5804 Rosalie ct.
Fryer, John Gayton,	A.B., II yr.	<i>Brown University.</i>	<i>Chicago.</i>	578, E. 60th st.
Guyer, Michael Frederic,	S.B., II yr.	<i>Plattsburg High School.</i>	<i>Plattsburg, Mo.</i>	5425 Cottage Grove av.
Hay, Mary,	Ph.B., I yr.	<i>Butler University.</i>	<i>Englewood.</i>	6214 May st.
Heil, John Henry,	A.B., II yr.	<i>Northwestern University.</i>	<i>Chicago.</i>	3816 Rhodes av.
Hoebcke, Cornelius James,	A.B., I yr.	<i>Kalamazoo College.</i>	<i>Kalamazoo, Mich.</i>	15 Sn.
Hubbard, Marion Elizabeth,	S.B., I yr.	<i>Mt. Holyoke College.</i>	<i>McGregor, Ia.</i>	23 F.
Hulbert, Ettie Louise,	Ph.B., I yr.	<i>University of Michigan.</i>	<i>Morgan Park.</i>	35 K.
Kohlsaat, Philemon Bulkley,	S.B., II yr.	<i>Northwestern University.</i>	<i>Chicago.</i>	271 Ashland Boul.
Kruse, William Henry,	A.B., I yr.	<i>Concordia College.</i>	<i>Beecher.</i>	1706, 51st st.
Lambert, Lillian Vitalique,	S.B., I yr.	<i>Penn College, Ia.</i>	<i>What Chcer, Ia.</i>	5612 Drexel av.
Laning, John Lane,	Ph.B., II yr.	<i>Illinois College.</i>	<i>Petersburg.</i>	Hotel Harcourt.
Livingstone, Katharine Agnes,	Ph.B., I yr.	<i>University of Minnesota.</i>	<i>LaCross, Wis.</i>	23 B.
Logie, Alfred Ernest,	A.B., II yr.	<i>Pomona College, Cal.</i>	<i>Redlands, Cal.</i>	Grand Crossing.
Lozier, Horace Gillette,	A.B., I yr.	<i>Northwestern University.</i>	<i>Mt. Vernon, Ia.</i>	50 Sn.
Marot, Mary Louise,	S.B., II yr.	<i>Wellesley College.</i>	<i>Dayton, O.</i>	2 F.
McCafferty, Lulu,	S.B., I yr.	<i>Central College.</i>	<i>Quiney.</i>	5812 Drexel av.
McMahan, Una,	A.B., I yr.	<i>Smith College.</i>	<i>Chicago.</i>	5478 Woodlawn av.
Moran, Thomas William,	Ph.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	4710 Vincennes av.
Morgan, Edwin,	A.B., II yr.	<i>Bucknell University.</i>	<i>East Stroudsburg, Pa.</i>	5623 Drexel av.
Northrup, Alfred Sayles,	A.B., II yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	55 Sn.
Osgood, William Pleasants,	S.B., I yr.	<i>Northwestern University.</i>	<i>Austin.</i>	135 D.
Pierce, Earl Vaydor,	A.B., II yr.	<i>Sioux Falls University.</i>	<i>Ipswieh, S. D.</i>	46 Sn.
Prescott, William Howard,	Ph.B., II yr.	<i>Western Reserve University.</i>	<i>Cleveland, O.</i>	5620 Ellis av.
Radford, Maude Lavenia,	Ph.B., II yr.	<i>Ingham College, N. Y.</i>	<i>Le Roy, N. Y.</i>	3801 Prairie av.
Ricketts, Charles Walter,	A.B., I yr.	<i>University of Michigan.</i>	<i>Charleston.</i>	5490 Monroe av.
Roosa, Howard,	A.B., II yr.	<i>Yale University.</i>	<i>Rosendale, N. Y.</i>	5506 Monroe av.
Scovel, Louise Claire,	Ph.B., I yr.	<i>Wooster University.</i>	<i>Chicago.</i>	3911 Ellis av.
Spalding, Mary Doane,	Ph.B., I yr.	<i>Cornell University.</i>	<i>Brooklyn, N. Y.</i>	38 F.
Taylor, Thomas Jackson,	A.B., II yr.	<i>Missouri State University.</i>	<i>St. Louis, Mo.</i>	5836 Drexel av.
Templeton, Howard,	A.B., I yr.	<i>Northern Indiana Normal School.</i>	<i>Canton, O.</i>	4 G.
Walker, Florence Mercy,	Ph.B., II yr.	<i>Ingham University, N. Y.</i>	<i>Le Roy, N. Y.</i>	43 F.
Wilkinson, Arthur Cleaver,	A.B., II yr.	<i>University of Wisconsin.</i>	<i>Madison, Wis.</i>	5506 Monroe av.
Willis, Henry Parker,	A.B., II yr.	<i>Western Reserve University.</i>	<i>Racine, Wis.</i>	5551 Lexington av.
Wyant, Adam Martin,	A.B., I yr.	<i>Bucknell University, Pa.</i>	<i>Adrian, Pa.</i>	26 Sn.
Zoethout, William,	A.B., I yr.	<i>Hope College, Mich.</i>	<i>Roseland.</i>	Roseland.

THE ACADEMIC COLLEGES.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Adkinson, Henry Magee,	A.B., II yr.	Englewood High School.	Chicago.	5552 Wentworth av.
Agerter, Harriet Coe,	A.B., II yr.	Morgan Park Academy.	Lima, O.	B.
Alschuler, Leon,	Ph.B., I yr.	South Division High School.	Chicago.	2216 Wabash av.
Apps, Elizabeth,	Ph.B., I yr.	South Side School.	Chicago.	2551 South Park av.
Arnold, Oswald James,	Ph.B., II yr.	No. Division High School.	Chicago.	24 Maple st.
Atwood, Harry Fuller,	A.B., II yr.	Morgan Park Academy.	Hay City, Kans.	9 Sn.
Atwood, Wallace Walter,	Ph.B., II yr.	W. Division High School.	Chicago.	4531 Forestville av.
Axelson, Gustave Wilhelm,	A.B., II yr.	Morgan Park Academy.	Morgan Park.	53 Sn.
Bachellé, Cecil V.,	S.B., II yr.	Chicago Academy.	Chicago.	7 G.
Baird, Mary Brooks,	A.B., II yr.	Southern Kansas Academy.	Eureka, Kans.	4589 Oakenwald av.
Baker, Georgia Cary,	Ph.B., I yr.	Cornell University.	Harrisville, N. Y.	5316 Jefferson av.
Ballou, Susan Helen,	Ph.B., I yr.	Saint Katharine's Hall.	Davenport, Ia.	5558 Drexel av.
Barker, Burt Brown,	A.B., I yr.	Willamette University.	Salem, Oregon.	4806 St. Lawrence av.
Barnard, Harrison B.,	A.B., II yr.	Wooster University.	Englewood.	510 62d st.
Barnes, Frederick Robertson,	A.B., II yr.	Fargo College.	Campbell, Minn.	6013 Ellis av.
Barrett Charles Raymond,	Ph.B., I yr.	Saratoga High School.	Saratoga Springs, N. Y.	24 Sn.
Barrett, Saxton,	S.B., II yr.	So. Division High School.	Chicago.	3230 Calumet av.
Barrett, Lu Eaves,	Ph.B., II yr.	Henderson High School.	Sacramento, Ky.	41 F.
Batt, Max,	Ph.B., I yr.	So. Division High School.	Chicago.	3752 Elmwood Place.
Beach, Clinton Stilwell,	S.B., I yr.	Parr Preparatory.	Chicago.	57 Bryant av.
Beatty, Maria,	A.B., II yr.	Lake High School.	Chicago.	4444 Emerald av.
Bell, Glenrose M.,	Ph.B., II yr.	Ferry Hall, Lake Forest.	Chicago.	5810 Washington av,
Bennett, Esther,	Ph.B., I yr.	Smith College.	Chicago.	F.
Bennett, Lucy Lovejoy,	A.B., II yr.	Evanston High School.	Evanston.	Hotel Barry.
Bishop, William Reed,	Ph.B., I yr.	N. Y. State Normal School.	Oswego, N. Y.	5737 Kimbark av.
Bliss, Charles King,	A.B., II yr.	Morgan Park Academy.	Longwood.	Longwood.
Bliss, Gilbert Amcs,	S.B., I yr.	Hyde Park High School.	Chicago.	4528 Lake av.
Bond, William Scott,	A.B., I yr.	Preparatory Beloit College.	Chicago.	4025 Drexel boul.
Brandt, Berkeley.	A.B., II yr.	Allen's Academy.	Chicago.	1316 Michigan av.
Breeden, Waldo,	Ph.B., I yr.	Jamestown High School, N. Y.	Santa Fe, N. M.	6640 Oglesby av.
Broek, Herman John,	A.B., I yr.	Hope College.	South Holland.	6837 Perry av.
Brown, James Scott,	A.B., I yr.	Omaha High School.	Chicago.	4052 Indiana av.
Brown, Louise,	A.B., II yr.	Phillips Academy, Andover, Mass.	Elgin.	222 Marshfield av.
Browne, Agnes May,	A.B., II yr.	Morgan Park Academy.	Morgan Park.	Morgan Park.
Butler, Demia.	Ph.B., II yr.	Girls' Classical School, Indianapolis.	Indianapolis, Ind.	Kl.
Campbell, John Tyler,	S.B., II yr.	Washburn College, Topeka, Kans.	Cheney, Kans.	5425 Cottage Grove av.
Campbell, Joseph White,	Ph.B., I yr.	Phillips Academy, Andover, Mass.	Cambridge, O.	57th st. & Madison av.
Caraway, Henry Reat,	Ph.B., II yr.	Northwestern University.	Tuscola.	5700 Kimbark av.
Carpenter, Paul Fant,	Ph.B., I yr.	Coe College.	Cedar Rapids, Ia.	Sn.
Carroll, Percy Peyton	Ph.B., II yr.	Hanover College, Ind.	Marion, Ind.	20 G.
Chace, Henry Thurston, Jr.,	S.B., II yr.	Hyde Park High School.	Chicago.	5740 Rosalie ct.
Chamberlin, Elizabeth,	Ph.B., I yr.	South Side School.	Chicago.	2311 Indiana av.
Chamberlin, John Clark, Jr.,	A.B., I yr.	South Side School.	Chicago.	13 G.
Chollar, Wilbur Thomas,	S.B., I yr.	Curleton College.	Red Falls, Minn.	Hotel Harcourt.
Clark, Faith Benita,	Ph.B., II yr.	Rockford Seminary.	Rockford, Ill.	B.
Clarke, Henry L.,	Ph.B., II yr.	So. Division High School.	Chicago.	3338 Calumet av.
Cook, Agnes Spofford,	A.B., I yr.	Wellesley College.	Normal.	5 F.
Coolidge, Elizabeth Teasdale,	S.B., II yr.	So. Division High School.	Chicago.	6036 Oglesby av.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Cornish, Charlotte Harrison,	Ph.B., I yr.	<i>Morgan Park Academy.</i>	<i>Gillette, N. J.</i>	44 B.
Cosgrove, Marion Vernon,	A.B., I yr.	<i>South Side Preparatory School.</i>	<i>Chicago.</i>	6315 Oglesby av.
Crafts, Helen,	Ph.B., I yr.	<i>Wellesley College.</i>	<i>Austin.</i>	30 Kl.
Crandall, Vinnie May,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Chicago.</i>	4443 Berkeley av.
Crouse, Daniel Howard,	A.B., I yr.	<i>Lawrenceville.</i>	<i>Chicago.</i>	2231 Prairie av.
De Graff, Cora Eames,	A.B., II yr.	<i>Evansville Classical School.</i>	<i>Englewood.</i>	6939 Wright st.
Dibell, Charles Dorrance,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Joliet.</i>	39 Sn.
Dignan, Frank Winans,	A.B., I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5853 Indiana av.
Dingee, Gertrude Parker,	A.B., II yr.	<i>Oshkosh High School.</i>	<i>Racine, Wis.</i>	B.
Dirks, Lillian Augusta,	A.B., I yr.	<i>Jennings Seminary, Aurora.</i>	<i>LaGrange.</i>	46 Kl.
Diver, Dora May,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Waukegan.</i>	Kl.
Dornsife, Samuel Seilor,	A.B., I yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	521 45th st.
Dougherty, Horace Raymond,	A.B., I yr.	<i>University of Michigan.</i>	<i>Peoria,</i>	30 Sn.
Dougherty, Ralph Leland,	A.B., I yr.	<i>Peoria High School.</i>	<i>Peoria.</i>	Sn.
Downing, Alice May,	A.B., I yr.	<i>Wellesley College.</i>	<i>Aurora.</i>	23 Kl.
Drew, William Prentiss,	A.B., I yr.	<i>Englewood High School.</i>	<i>Chicago.</i>	535 67th st.
Dudley, Raymond Carleton,	Ph.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	2613 Indiana av.
Durand, Herbert Cassius,	A.B., I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	435 East 41st st.
Ellis, Mary Virginia,	A.B., I yr.	<i>Hannibal High School.</i>	<i>Hannibal, Mo.</i>	21 F.
Evans, Edward Price,	A.B., I yr.	<i>Cook Academy.</i>	<i>Chicago.</i>	5620 Ellis av.
Fish, Leila Gladys,	Ph.B., I yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3226 Calumet av.
Flint, Joseph Marshall,	S.B., I yr.	<i>Lake Forest Academy.</i>	<i>Chicago.</i>	265 E. Indiana st.
Flint, Nott W.,	A.B., I yr.	<i>Lake Forest Academy.</i>	<i>Chicago.</i>	265 E. Indiana st.
Ford, Margaret,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	3756 Ellis av.
Foster, Edith Burnham,	Ph.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	24 B.
Friedman, Herbert Jacob,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3602 Prairie av.
Friedman, Joseph C.,	Ph.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3916 Prairie av.
Furness, Mary,	A.B., II yr.	<i>Lyons High School.</i>	<i>De Funiak Springs, Fla.</i>	5657 Cottage Grove av.
Gale, Henry Gordon,	A.B., II yr.	<i>Aurora High School.</i>	<i>Aurora.</i>	20 Sn.
Gardner, Effie A.,	Ph.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5513 Madison av.
Gatzert, Blanche,	Ph.B., I yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3628 Grand boul.
Gettys, Cora Margaret,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Englewood.</i>	5855 Wright st.
Gilpatrick, Rose Adelle,	Ph.B., I yr.	<i>Colby University.</i>	<i>Hallowell, Me.</i>	41 B.
Gleason, Fred,	Ph.B., I yr.	<i>University of Iowa.</i>	<i>Englewood.</i>	330 Chestnut st
Goldberg, Hyman Elijah,	S.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	348 S. Clark st.
Goodhue, Emma Louise,	Ph.B., II yr.	<i>Carleton College.</i>	<i>Chicago.</i>	54 Bryant av.
Goodman, Charles A.,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	13 G.
Grant, Forest,	A.B., I yr.	<i>Lake Forest College.</i>	<i>Stevens Point, Wis.</i>	5620 Ellis av.
Graves, Eva Bronson,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Chicago.</i>	4526 Woodlawn av.
Graves, Laura Belcher,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Memphis, Tenn.</i>	4526 Woodlawn av.
Graves, Paul Spencer,	A.B., II yr.	<i>Evanston High School.</i>	<i>Evanston.</i>	5620 Ellis av.
Guthrie, Emily Wilson,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	6416 Peoria st.
Gwin, James Madison,	Ph.B., I yr.	<i>Harvard School.</i>	<i>Chicago.</i>	4060 Ellis av.
Haft, Della May,	Ph.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	2220 Prairie av.
Hale, Berdena Mabel,	A.B., II yr.	<i>Wayland Academy.</i>	<i>Omro, Wis.</i>	Hotel Barry.
Hamilton, Aletheia,	A.B., I yr.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	4720 Madison av.
Hartley, Elmer Ellsworth,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Guruee.</i>	59 Sn.
Hay, Fannie Steele,	Ph.B., I yr.	<i>Butler University.</i>	<i>Englewood.</i>	5626 Jefferson av.
Hancock, Mary Bertha,	Ph.B., I yr.	<i>Vassar College.</i>	<i>Dubuque, Ia.</i>	F.
Hering, Frank Earle,	Ph.B., I yr.	<i>Williamsport High School.</i>	<i>Williamsport, Pa.</i>	45 Sn.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Hewitt, Helen Orme,	Ph.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	5535 Lexington av.
Hewitt, Henry Harwood,	A B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5535 Lexington av.
Hobart, Ralph Hastings,	S.B., I yr.	<i>Beloit College.</i>	<i>Chicago.</i>	5110 East End av.
Holloway, Harry Cyrus,	S.B., II yr.	<i>Chicago Manual Training School.</i>	<i>Chicago.</i>	3436 Prairie av.
Hopkins, Frances Inez,	Ph.B., I yr.	<i>Wellesley College.</i>	<i>Pueblo, Col.</i>	31 F.
Hosic, James Fleming,	Ph.B., I yr.	<i>Nebraska State Normal School.</i>	<i>Tecumseh, Neb.</i>	64 Sn.
Howard, Harry Cooper,	Ph.B., I yr.	<i>Kalamazoo College.</i>	<i>Kalamazoo, Mich.</i>	5 Sn.
Hubbard, Mildred,	Ph.B., I yr.	<i>Mt. Holyoke College.</i>	<i>Winchester.</i>	38 B.
Hughes, Robert Lee,	A.B., II yr.	<i>Mount Hermon School, Massachusetts.</i>	<i>Prospect, N. Y.</i>	324, 57th st.
Hulbert, Clara Delia,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Morgan Park.</i>	K.
Hull, Susan Hess.	Ph.B., II yr.		<i>Chicago.</i>	578, 60th st.
Hulshart, John,	A.B., II yr.	<i>Peddle Institute, N. J.</i>	<i>Lakewood, N. J.</i>	46 Sn.
Hurlbut, Lila Cole,	Ph.B., II yr.	<i>Omaha High School.</i>	<i>Chicago.</i>	4158 Calumet av.
Hurlbutt, Wells Henry, Jr.,	A.B., I yr.	<i>Springfield High School.</i>	<i>Geneva, O.</i>	5620 Ellis av.
Hutchings, Josephine L.,	Ph.B., I yr.	<i>Miss Lupton's School.</i>	<i>Madison, Ind.</i>	44 F.
Hyman, Isaac Barney,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5 G.
Ickes, Harold Le Claire,	A.B., I yr.	<i>Englewood High School.</i>	<i>Altoona, Pa.</i>	230, 65th st.
Jackson, Cora Belle,	A.B., II yr.	<i>Howard University, Washington, D. C.</i>	<i>Chicago.</i>	5429 Jackson av.
Jenkinson, Harriet E.,	Ph.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	410, 64th st.
Johann, Lillie,	S.B., I yr.	<i>Springfield High School.</i>	<i>Springfield.</i>	23 K.
Johnson, Ralph Hiram,	A.B., II yr.	<i>Kenyon Military Academy, Ohio.</i>	<i>Marion, Ind.</i>	37 Sn.
Johnson, Victor Oscar,	A.B., I yr.	<i>Northwestern University.</i>	<i>Genoa, Neb.</i>	New Boston Hotel.
Jones, Nellie Lander,	Ph.B., I yr.	<i>Mt. Holyoke College.</i>	<i>Peoria.</i>	5415 Cottage Grove av.
Jordan, Herbert Ray,	Ph.B., I yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5742 Monroe av.
Kane, Theodosia,	Ph.B., I yr.	<i>Chicago Academy.</i>	<i>Chicago.</i>	Kl.
Karpen, Julius,	Ph.B., I yr.	<i>University of Illinois.</i>	<i>Chicago.</i>	36 Potomac av.
Keeler, Harry,	S.B., I yr.	<i>University of Illinois.</i>	<i>Chicago.</i>	4325 Langley av.
Kellogg, Edith Sarah,	S.B., II yr.	<i>Academy Iowa College.</i>	<i>Correctionville, Ia.</i>	2978 Indiana av.
Kells, Mabel.	A.B., I yr.	<i>Sauk Centre High School.</i>	<i>Sauk Centre, Minn.</i>	F.
Kennedy, Jennette,	Ph.B., I yr.	<i>Ferry Hall Seminary.</i>	<i>Rib Lake, Wis.</i>	21 Kl.
Kerr, Mary Luella,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Washington, Iowa.</i>	B.
Klock, Martha Frances,	A.B., I yr.	<i>Smith College.</i>	<i>Oneida, N. Y.</i>	30 B.
Knapp, George Nelson,	S.B., II yr.	<i>University of Wisconsin.</i>	<i>Madison, Wis.</i>	5812 Drexel av.
Lagergren, Gustaf Petrus,	A.B., I yr.	<i>South Side School.</i>	<i>Morgan Park.</i>	Morgan Park, Ill.
Lamay, John,	S.B., II yr.	<i>Northwestern University.</i>	<i>Evanston.</i>	46 Sn.
Lansingh, Van Rensselaer,	S.B., II yr.	<i>College of City of N. Y.</i>	<i>Chicago.</i>	5748 Madison av.
Leiser, Joseph,	Ph.B., II yr.	<i>University of Rochester.</i>	<i>Rochester, N. Y.</i>	51 Sn.
Lewis, Mary Catherine,	A.B., I yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	5605 Madison av.
Lewis, Susan Whipple,	A.B., I yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	5605 Madison av.
Liebenstein, Sidney Charles,	Ph.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	3740 Forest av.
Lindeblad, Ivan Luther,	A.B., I yr.	<i>Augustana College.</i>	<i>Pullman.</i>	Pullman.
Lingle, Bowman Church,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3144 Vernon av.
Lipskey, Harry Alexander,	Ph.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	81, 31st st.
Loeb, Ludwig,	S.B., I yr.	<i>No. Division High School.</i>	<i>Chicago.</i>	3924 Prairie av.
Loesch, Angie,	A.B., I yr.	<i>No. Division High School.</i>	<i>Chicago.</i>	17 F.
Luttrell, Estelle,	A.B., I yr.	<i>Christian University.</i>	<i>Canton, Mo.</i>	5810 Drexel av.
Macomber, Charles Coombs,	Ph.B., I yr.	<i>Simpson College.</i>	<i>Carroll, Ia.</i>	36, 46th st.
Mandel, Edwin Frank,	A.B., I yr.	<i>Harvard School.</i>	<i>Chicago.</i>	5 G.
Mandeville, Paul,	A.B., I yr.	<i>Englewood High School.</i>	<i>Chicago.</i>	6410 Stewart av.

NAME.	COLLEGE; YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Mannhardt, William.	A.B., I yr.	W. Division High School.	Chicago.	10 Sn.
Marsh, Isaac Clarence,	A.B., I yr.	South Side School.	Chicago.	47 Sn.
Maynard, Mary Dunklee,	Ph.B., I yr.	Vassar College.	Milwaukee, Wis.	20 B.
McCaw, John Alexander,	A.B., I yr.	Woodstock College.	Woodstock.	5622 Ellis av.
McClenahan, Henry Stewart,	S.B., I yr.	Lake Forest College.	Macomb.	5817 Madison av.
McClintock, Anna James,	Ph.B., II yr.	Millersburgh Female College.	Millersburgh, Ky.	Kl.
McClintock, Samuel Sweeney,	Ph.B., II yr.	Kentucky University.	Lexington, Ky.	5745 Madison av.
McCorkle, Wood F.,	A.B., I yr.	South Side School.	Chicago.	963 Jackson boul.
McGillivray, Clifford Bottsford,	S.B., II yr.	Morgan Park Academy.	Chicago.	3727 Vernon av.
McWilliams, Anna Louise,	Ph.B., I yr.	Ferry Hall Seminary.	Odell.	K.
McWilliams, Mary Elizabeth,	Ph.B., I yr.	Ferry Hall Seminary.	Odell.	16 Kl.
Messick, Elizabeth.	Ph.B., II yr.	Miss Higbee's Academy, Tenn.	Memphis, Tenn.	15 Kl.
Minard, Frederick Horace,	S.B., II yr.	Drury College.	Chicago.	5620 Ellis av.
Minnick, Arthur,	A.B., II yr.	Englewood High School.	Chicago.	6029 Ellis av.
Mitchell, Wesley Clair,	A.B., II yr.	Decatur High School.	Decatur.	2310 Indiana av.
Moffatt, William Eugene,	A.B., II yr.	No. Division High School.	Chicago.	4618 State st.
Moore, John Howard,	A.B., I yr.	Oskaloosa College, Ia.	Cawker City, Kans.	5558 Drexel av.
Morgan, Marion Sherman,	Ph.B., I yr.	Smith College.	Chicago.	F.
Mosser, Stacy Carroll,	A.B., I yr.	Hedding College.	Abingdon.	69 D.
Murphy, Henry Constance,	Ph.B., II yr.	University of Notre Dame.	Woodstock.	64 Sn.
Neel, Carr Baker,	S.B., II yr.	Oakland High School, Cal.	Chicago.	3718 Ellis av.
Nelson, Jennie Louisa,	Ph.B., I yr.	Columbian College, Washington, D. C.	Helena, Montana.	21 F.
Nichols, Frederick Day,	A.B., II yr.	Cedar Valley Seminary, Ia.	Osage, Ia.	54 Sn.
Odell, Jean Ingelow,	A.B., I yr.	W. Division High School.	Chicago.	903 Kedzie av.
Oglevee, Nannie Gourley,	Ph.B., I yr.	Wells College.	Columbus, O.	3000 Indiana av.
Osgood, Ella Maria,	Ph.B., II yr.	Oneida High School, N. Y.	Verona, N. Y.	30 B.
Packer, Anna Sophia,	A.B., I yr.	Oberlin College.	Chicago.	195 Bowen av.
Peabody, Earl William,	Ph.B., II yr.	Morgan Park Academy.	Chicago.	5747 Madison av.
Perkins, Mary,	Ph.B., I yr.	W. Division High School.	Chicago.	28 Kl.
Pershing, Ward Beecher,	S.B., I yr.	South Side School.	Chicago.	337, 53d st.
Peterson, Harvey Andrew,	A.B., I yr.	St. Louis High School.	St. Louis, Mo.	34 Sn.
Pienkowsky, Arthur Thaddeus,	A.B., I yr.	Morgan Park Academy.	Chicago.	4427 Calumet av.
Pierce, Lucy Frances,	A.B., I yr.	Vassar College.	Chicago.	4847 Grand boul.
Pike, Charles Sumner,	A.B., II yr.	So. Division High School.	Chicago.	3908 Ellis av.
Plant, Thomas Jefferson,	A.B., I yr.	Lake High School.	Chicago.	3915 Dearborn st.
Pollock, Elmer Allison,	A.B., II yr.	Lake Forest University.	Good Hope.	464, 41st st.
Porter, Elizabeth,	A.B., I yr.	Lake Erie Seminary.	Cleveland, O.	B.
Porterfield, Cora Maude.	A.B., I yr.	Illinois State Normal University.	Normal.	3715 Langley av.
Purcell, Margaret,	Ph.B., II yr.	College of Emporia, Kans.	Manhattan, Kans.	Kl.
Radford, May Eugenia,	A.B., I yr.	Leroy Union School, N. Y.	Buffalo, N. Y.	3801 Prairie av.
Ramsay, Stanley Matthews,	A.B.,	Williams College.	Cincinnati, O.	5835 Drexel av.
Rand, Philip,	Ph.B., I yr.	Phillips Exeter Academy.	Chicago.	33 Sn.
Rapp, William, Jr.,	Ph.B., II yr.	No. Division High School.	Chicago.	Hotel Harcourt.
Raycroft, Joseph Edward,	A.B., II yr.	Worcester Academy, Mass.	Boston, Mass.	21 Sn.
Robertson, Stella,	A.B., II yr.	Albion High School, N. Y.	Albion, N. Y.	Kl.
Robinson, Irene Elizabeth,	Ph.B., I yr.	Vassar College.	Englewood.	735, 62d st.
Roche, Cora Emma,	A.B., II yr.	W. Division High School.	Chicago.	Kl.
Rogers, May Josephine,	Ph.B., II yr.	University of Michigan.	Chicago.	5657 Cottage Grove av.
Rothschild, Isaac Solomon,	S.B., I yr.	W. Division High School.	Chicago.	427 Carroll av.
Russell, Loren Milford,	S.B., II yr.	Morgan Park Academy.	Englewood.	6357 Stewart av.

NAME.	COLLEGE ; YEAR.	SCHOOL OR INST ^r .	HOME ADDRESS.	PRESENT ADDRESS.
Sampsell, Marshall Emmett,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	6851 Wentworth av.
Sass, Louis,	Ph.B., II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	54 Sn.
Schnelle, Friedrich Oscar,	S.B., II yr.	<i>Real Gymnasium. Lands- hut (Germany).</i>	<i>Görlitz, Germany.</i>	82 D.
Schwarz, Edith Ewing,	Ph.B., I yr.	<i>Englewood High School.</i>	<i>Englewood.</i>	6901 Harvard st.
Sherman, Franklyn Cole,	A.B., I yr.	<i>Cornell College.</i>	<i>Chicago.</i>	4204 Calumet av.
Sherwin, Nanie Annette,	A.B., I yr.	<i>Wellesley College.</i>	<i>Denver, Col.</i>	3033 Groveland av.
Simpson, Burton Jesse,	S.B., II yr.	<i>Morgan Park Academy.</i>	<i>Moline.</i>	62 Sn.
Sincere, Victor Washington,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	2974 Wabash av.
Smith, Henry Justin,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Morgan Park.</i>	4406 Ellis av.
Smith, Kenneth Gardner,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5836 Drexel av.
Speer, Henry Dallas,	Ph.B., II yr.	<i>Williams College.</i>	<i>Chicago.</i>	161, 30th st.
Sperans, Joel,	S.B., II yr.	<i>Gymnasium, Taganrog, Russia.</i>	<i>Russia.</i>	16 Sn.
Steigmeyer, Frederick Frank	S.B., I yr.	<i>Buchtel College.</i>	<i>Attica, O.</i>	5612 Drexel av.
Stevens, Raymond William,	A.B., II yr.	<i>South Side School.</i>	<i>Chicago.</i>	3574 Vincennes av.
Stone, Harry Wheeler,	A.B., II yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	3411 Vernon av.
Stowell, Reuben Giles,	S.B., II yr.	<i>No. Division High School.</i>	<i>Chicago.</i>	58 Sn.
Strawn, Myra Hartshorn,	A.B., I yr.	<i>Smith College.</i>	<i>LaSalle.</i>	F.
Swarte, Lawrence James de,	A.B., II yr.	<i>Beloit College.</i>	<i>Milwaukee, Wis.</i>	5550 Drexel av.
Tanaka, Kiichi,	Ph.B., I yr.	<i>Kentucky University.</i>	<i>Tokio, Japan.</i>	31 Sn.
Tefft, Nellie Edna,	A.B., I yr.	<i>Elgin High School.</i>	<i>Elgin.</i>	45 Kl.
Thomas, Ida May,	Ph.B., I yr.	<i>Morgan Park Academy.</i>	<i>Sioux City, Ia.</i>	Hotel Barry.
Thomas, Mary Susan,	Ph.B., II yr.	<i>Northwestern University.</i>	<i>Myersdale, Pa.</i>	Students' Hall, Englewood.
Thompson, Emily Churchill,	A.B., I yr.	<i>Like High School.</i>	<i>Chicago.</i>	4457 Emerald av.
Thompson, Helen Bradford,	Ph.B., I yr.	<i>Englewood High School.</i>	<i>Englewood.</i>	326 Chestnut st.
Todd, Elmer Ely,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5535 Lexington av.
Tolman, Cyrus Fisher, Jr.,	A.B., II yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	41 University Place.
Tooker, Robert Newton, Jr.,	A.B., I yr.	<i>University School.</i>	<i>Chicago.</i>	23 Sn.
Trumbull, Donald Shurtleff,	A.B., I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4544 Oakenwald av.
Van Vliet, Alice,	A.B., II yr.	<i>So. Division High School</i>	<i>Chicago.</i>	43 B.
Vaughan, L. Brent,	Ph.B., II yr.	<i>Oberlin College.</i>	<i>Swanton, O.</i>	5831 Madison av.
Vaughan, William Cain,	S.B., I yr.	<i>South Side School.</i>	<i>Richmond, Ind.</i>	5475 Kimbark av.
Voight, John Frederick, Jr.,	Ph.B., II yr.	<i>Illinois College.</i>	<i>Mattoon.</i>	26 Sn.
Wales, Henry Whitwell, Jr.,	Ph.B., II yr.	<i>Hyde Park High School.</i>	<i>Lanark.</i>	62, 43d st.
Wallace, Sarah Emma,	A.B., II yr.	<i>Englewood High School.</i>	<i>Englewood.</i>	748, 71st st.
Walling, William English,	S.B., II yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4127 Drexel boul.
Walls, Emma Beales,	Ph.B., II yr.	<i>Northwestern University.</i>	<i>Chicago.</i>	4334 Greenwood av.
Webster, Ralph Waldo,	Ph.B., II yr.	<i>Monmouth College.</i>	<i>Monmouth.</i>	5700 Kimbark av.
Weingarten, Frederick Simon,	S.B., II yr.	<i>College of City of N. Y.</i>	<i>Chicago.</i>	3237 Calumet av.
Whitson, Andrew Robinson,	B.S., II yr.	<i>University of Wisconsin.</i>	<i>Northfield, Minn.</i>	5812 Drexel av.
Wiley, Harry Dunlap,	S.B., II yr.	<i>Princeton High School.</i>	<i>Dunlap,</i>	5836 Drexel av.
Williams, Day,	A.B., I yr.	<i>Adalbert College.</i>	<i>Chicago.</i>	77, 39th st.
Williams, John William,	Ph.B., I yr.	<i>Cornell College.</i>	<i>Norwood Park.</i>	Sn.
Willis, Gwendolin Brown,	A.B., II yr.	<i>Racine Academy.</i>	<i>Racine, Wis.</i>	5551 Lexington av.
Williston, Frances Greenwood,	A.B., II yr.	<i>So. Division High School.</i>	<i>Elmhurst.</i>	B.
Winston, Alice,	A.B., I yr.	<i>South Side School.</i>	<i>Chicago.</i>	363, E. 58th st.
Winston, Charles Sumner,	A.B., II yr.	<i>South Side School.</i>	<i>Chicago.</i>	363 East 58th st.
Wolff, Henry D.,	S.B., II yr.	<i>Chicago Academy.</i>	<i>Evanslon.</i>	22 Sn.
Wolff, Louis, Jr.,	S.B., II yr.	<i>Chicago Academy.</i>	<i>Chicago.</i>	43 Harcourt Bldg.
Woods, Frank William,	A.B., I yr.	<i>Colorado College.</i>	<i>Colorado Springs, Col.</i>	5800 Jackson av.

NAME.	COLLEGE; YEAR.	SCHOOL OR INST ^r .R.	HOME ADDRESS.	PRESENT ADDRESS.
Woodward, Vernie Emma,	A.B., II yr.	<i>Meriden High School.</i>	<i>Meriden, Conn.</i>	44 Kl.
Wooley, Paul Gerhardt,	S.B., I yr.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	5748 Kimbark av.
Yarzembski, Vladyslas,	S.B., I yr.	<i>N. W. Division High School.</i>	<i>Chicago.</i>	515 N. Ashland av.
TOTAL, 249.				

THE UNCLASSIFIED STUDENTS.

NAME.	YEAR.	SCHOOL OR INST ^r .R.	HOME ADDRESS.	PRESENT ADDRESS.
Abbott, Walter Hazelton,	I yr.	<i>Pennington Seminary (N. J.)</i>	<i>Camden, N. J.</i>	5620 Ellis av.
Abells, Harry Delmont,	I yr.	<i>Mt. Hermon (Northfield, Mass.)</i>	<i>Uxbridge, Mass.</i>	46 Sn.
Allen, Arabella Jane,	I yr.	<i>Monticello Seminary.</i>	<i>Chicago.</i>	4050 Grand Boul.
Alling, Harriet Sarah,	I yr.	<i>Oswego Normal and Training School, New York.</i>	<i>Moreland.</i>	5443 Jackson av.
Almy, Mary Tibbits,	I yr.	<i>Norwich Normal School.</i>	<i>Norwich, Conn.</i>	14 Kl.
American, Sadie,	II yr.	<i>Chicago High School.</i>	<i>Chicago.</i>	3130 Vernon av.
Anderson, Esther Lowell,	I yr.	<i>Adelphi Academy (N. Y.)</i>	<i>Chicago.</i>	1345 Noble av.
Austin, Helen Maria,	I yr.	<i>College of France and the Sorbonne.</i>	<i>Ilion, N. Y.</i>	42 F.
Barrett, Fred P.,	I yr.	<i>Syracuse University.</i>	<i>Gainsville, N. Y.</i>	5550 Drexel av.
Battis, Annie Louise,	I yr.	<i>Burr & Burton Seminary.</i>	<i>Manchester, Vt.</i>	13 B.
Beardsley, Anna Poole,	I yr.	<i>Fem. High School, Baltimore.</i>	<i>Washington, Ark.</i>	33 F.
Bentley, Anna Riley,	I yr.	<i>Miss Porter's School (Conn.)</i>	<i>Chicago.</i>	2001 Indiana av.
Berry, Maud,	I yr.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5638 Madison av.
Bowers, Abraham,	II yr.	<i>Mt. Morris College.</i>	<i>St. Joseph.</i>	5747 Lexington av.
Braam, Jacob William,	II yr.	<i>Chicago Institute of Technology.</i>	<i>Chicago.</i>	82 D.
Bray, Anna Chappell, Mrs.	I yr.	<i>University of Indiana.</i>	<i>Chicago.</i>	5709 Drexel av.
Casteel, Mary Elizabeth,	I yr.	<i>Geneseo Collegiate Institute.</i>	<i>Geneseo.</i>	1 F.
Chapin, Lillian,	II yr.	<i>W. Division High School.</i>	<i>Chicago.</i>	5418 Kimbark av.
Clark, Grace Newsome, Mrs.	II yr.	<i>Drury College.</i>	<i>Springfield, Mo.</i>	32 Kl.
Colnon, Aaron Thomas,	I yr.	<i>Oswego High School.</i>	<i>Oswego, N. Y.</i>	2 Sn.
Comstock, Louise Bates,	II yr.	<i>Packer Institute, Brooklyn, N. Y.</i>	<i>Rochester, N. Y.</i>	5740 Monroe av.
Connett, Wesley Langdon,	II yr.	<i>St. Joseph High School (Mo.)</i>	<i>St. Joseph, Mo.</i>	6321 Sheridan av.
Crowther, Elizabeth,	I yr.	<i>Mt. Holyoke Seminary.</i>	<i>Enfield, Mass.</i>	34 B.
D'Ancona, Clarence Phineas,	I yr.	<i>Private Instruction.</i>	<i>Chicago.</i>	3317 Michigan av.
Davis, Alvin Edward,	I yr.	<i>Wayland Academy.</i>	<i>Marinette, Wis.</i>	359 West 65th st.
Davis, Emma Elizabeth,	I yr.	<i>Pennsylvania State Normal School.</i>	<i>Denton, Pa.</i>	17 B.
Dawes, Sarah Louisa,	I yr.	<i>Wheaton Seminary, Norton, Mass.</i>	<i>Petersham, Mass.</i>	13 B.
Dewing, William Henry,	II yr.	<i>Hiram College.</i>	<i>Chicago.</i>	104 D.
Dickerson, Spencer Cornelius,	I yr.	<i>Tillotson Institute, Austin.</i>	<i>Austin, Texas.</i>	6 Sn.
Folsom, Nellie Elmina,	II yr.	<i>St. Lawrence University (N. Y.)</i>	<i>Brookings, S. D.</i>	45 B.
Fox, Clare Delphine,	II yr.	<i>Northern Illinois College.</i>	<i>Bellvue.</i>	3620 Ellis Park.
Froberg, John,	I yr.	<i>South Side School.</i>	<i>Chicago.</i>	37, 29th st.
Fry, Harvey Judson,	I yr.	<i>Canton, Miss.</i>	<i>Chicago.</i>	5632 Ingleside av.
Gallion, Charles Horace,	II yr.	<i>Illinois Wesleyan University.</i>	<i>St. Joseph.</i>	Boston Hotel.
George, Abigail Matilda,	II yr.	<i>Cedar Rapids High School, Iowa.</i>	<i>Chicago.</i>	4744 Kenwood av.
Goodman, Jennie Rebecca,	I yr.	<i>So. Division High School.</i>	<i>Chicago.</i>	4406 Ellis av.
Goodspeed, Edith Maria,	I yr.	<i>Iowa State Normal.</i>	<i>Omaha, Neb.</i>	22 B.
Goss, Mary Lathrop,	II yr.	<i>Plano High School, Illinois.</i>	<i>Plano.</i>	425, 41st st.
Gray, Charlotte C., Mrs.	I yr.	<i>College of Liberal Arts, Chautauqua.</i>	<i>Albany, N. Y.</i>	16 B.
Hallingby, Ole Jr.,	I yr.	<i>Cedar Valley Seminary.</i>	<i>Osage, Ia.</i>	5825 Kimbark av.

NAME.	YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Hannan, Louise Mary,	I year.	Hyde Park High School.	Chicago.	5134 Grand Boul.
Hessler, John Charles,	I yr.	Northwestern University.	Chicago.	346, 55th st.
Hill, Elizabeth Gertrude,	I yr.	Mt. Holyoke Seminary.	Red Wing, Minn.	5332 Drexel av.
Hiss, Andrew Emil.	I yr.	Chicago College of Pharmacy.	Chicago.	5435 Kimbark av.
Hubbard, Harry David,	II yr.	Temple College, Philadelphia.	Philadelphia, Pa.	25 G.
Hubbard, Lucius,			South Bend, Ind.	Hotel Harcourt.
Keith, Ella May.	I yr.	Ottawa University.	Ottawa, Kans.	5443 Jackson av.
Kelso, Wilber Madison.	I yr.	Morgantown High School.	Plattsmouth, Neb.	The Barry Hotel.
Kennedy, Mary,	I yr.	Monmouth College.	Franks.	9752 av. K.
Kirtland, Grace Elizabeth,	I yr.	The Morgan School (Conn.)	Saybrook, Conn.	The Harcourt.
Knecht, Otto G. V.	I yr.	University of Michigan.	Los Angeles, Cal.	5474 Greenwood av.
Matz, Evelyn,	II yr.	Chicago High School.	Chicago.	431 Oak st.
MacDougal, Lydia A.,	I yr.	Potsdam State Normal School.	Malone, N. Y.	Kl.
MacRae, Ino,	I yr.		Central Mine, Mich.	2427 Prairie av.
McBee, Edwin,	I yr.	Sidney High School.	Sidney.	5717 Madison av.
McCalla, Emery Ellsworth,	II yr.	Pontiac High School.	Pontiac.	6034 Woodlawn av.
McKinley, Albert Edward,	II yr.	Temple College, Philadelphia.	Philadelphia, Pa.	25 G.
Meadowcroft, Fannie May,	I yr.	Private Instruction.	Chicago.	197, 30th st.
Moran, Alice Elizabeth,	I yr.	Visitation Academy (D. C.)		4710 Vincennes av.
Mitchell, Florence Louise,	I yr.	Maine Wesleyan College.	Englewood,	14 B.
Mixsell, Francis Hill,	I yr.	Kimball Union Academy.	So. Bethlehem, Pa.	8 Sn.
Munson, Sarah,	I yr.	MacDonald Ellis School (D. C.)	Zanesville, O.	5627 Monroe av.
Niblock, Rachel Elizabeth,	I yr.	Coe College.	Colfax, Wash.	F.
O'Connor, Nellie Johnson,	II yr.	Chauncey Hall School (Mass.)	Chicago.	3565 Forest av.
Otis, Marion Louise.	II yr.	Kirkland School, Chicago.	Chicago.	294 Huron st.
Paddock, Catherine Dix,		No. Division High School.	Chicago.	5457 Cornell av.
Parker, Marilla Zeroyda,	I yr.	Colby Academy (N. H.)	Brodhead, Wis.	5550 Drexel av.
Payne, Walter A.,	I yr.	Missouri State Normal.	Hurdland, Mo.	438, 57th st.
Pettigrew, Luella Belle,		Rockford Seminary.	Sioux Falls, S. Dak.	22 Kl.
Pooley, William John,	I yr.	Albion College.	Scales Mound.	5800 Jackson av.
Ranney, Mary Lowther,	I yr.	Kemper Hall (Wis.).	Chicago.	36 Ray St.
Rice, Elbridge Washburn,	II yr.	Pontiac High School.	Pontiac.	48 Sn.
Robbins, Simeon Volney,	I yr.	Illinois University.	Lamont.	5332 Drexel av.
Robertson, Mrs. Eugenia S.,	II yr.	Hill House High School (Conn.).	Chicago.	5646 Monroe av.
Rowan, Jean Morton,	I yr.	Morgan Park Academy.	Almont, Mich.	5836 Drexel av.
Runyon, Laura Louise,	I yr.	Plainfield High School.	Plainfield, N. J.	Kl. 42.
Savage, John Howard,	I yr.	Englewood High School.	Marley.	523, 66th ct.
Scarff, Mary Emily,	II yr.	Brockport State Normal School.	N. Y. Bethany, N. Y.	27 F.
Shallies, Guy Wheeler,	I yr.	Buffalo Normal School.	Arcade, N. Y.	8 Sn.
Shibley, Mary Capitola,	I yr.	Northwestern University.	Chicago.	6128 Lexington av.
Stover, Jessie Belle,	II yr.	University of South Dakota.	Centerville S. Dak.	5622 Ellis av.
Stuckrath, Justus Henry,	I yr.	Iowa State Normal School.	Osage, Ia.	5825 Kimbark av.
Sturges, Mrs. Helen,	I yr.	Gannett Institute (Mass.).	Chicago.	5627 Monroe av.
Sweeney, Mrs. Arthur (Lulu),	I yr.	Bradford Academy (Mass.).	St. Paul, Minn.	Hotel Barry.
Swett, Mary Chase.	II yr.	Cook County Normal School.	Chicago.	5006 Washington av.
Thomas, Frances Maria,	II yr.	Cook County Normal School.	Myersdale, Pa.	Students Hall, Englewood.
Vanderlip, Frank Arthur,	II yr.	University of Illinois.	Chicago.	5126 Madison av.
Wieland, Otto E.,		Proseminary (Elmhurst.)		40 Sn.
Williams, Charles Lewis,	I yr.	California College.	Santa Clara, Cal.	53 Sn.
Wilmarth, Anna Hawes,	I yr.	Miss Herrig's School.	Chicago.	29 B.
Wilson, William Otis,	I yr.	Western Normal College	Bushnell.	45 Sn.

NAME.	YEAR.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Witt, Hattie C.,	I yr.	<i>Vassar College.</i>	<i>Belvidere.</i>	20 F.
Wollpert, Marie,	I yr.	<i>Girls' Seminary, Stillport.</i>	<i>San Francisco, Cal.</i>	50 B.
Woods, William Brenton,	I yr.	<i>University of Michigan.</i>	<i>Chicago.</i>	395, 57th st.
Wright, Sherman Elijah,	I yr.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	37 Sn.

TOTAL, 96

SUMMARY (WINTER QUARTER, 1894).

GRADUATE STUDENTS,	{ School of Arts and Literature,	-	-	-	-	-	-	181
	{ Ogden School of Science,	-	-	-	-	-	-	78
	{ Non-Resident Students,	-	-	-	-	-	-	27
DIVINITY STUDENTS,	{ Graduate Department,	-	-	-	-	-	-	102
	{ English Department,	-	-	-	-	-	-	45
	{ Danish-Norwegian Department.	-	-	-	-	-	-	8
	{ Swedish Department,	-	-	-	-	-	-	13
UNIVERSITY COLLEGE STUDENTS,	-	-	-	-	-	-	-	46
ACADEMIC COLLEGE STUDENTS,	-	-	-	-	-	-	-	250
UNCLASSIFIED STUDENTS,	-	-	-	-	-	-	-	96
TOTAL,	-	-	-	-	-	-	-	846

CONSTITUENCY OF CLASSES, WINTER QUARTER, 1894.

REMARKS: 1. The numbers of departments and courses correspond, in general, to those of the ANNUAL REGISTER and CAL-
ENDAR No. 5, in the University proper, and in the Divinity School.

2. All classes recite in Cobb Lecture Hall, unless otherwise stated. The four floors of this building are lettered, the first being
A, and the rooms numbered.

3. Abbreviations: *K*=Kent Chemical Laboratory; *R*=Ryerson Physical Laboratory; *W*=Walker Museum; *g*=Graduate
Student; *u*=University College Student; *a*=Academic College Student; *d*=Divinity Student. Where not otherwise designated,
the student is unclassified.

4. Numerals in parenthesis at the end of each list indicate the number of students taking the course.

5. In nearly all cases recitations occur every week-day except Monday. The hours of recitations can be ascertained at the
University, in the Registrar's office.

THE SCHOOLS OF ARTS, LITERATURE, AND SCIENCE.

I. A. PHILOSOPHY.

R. and C. 13-17.

(Students, 46; courses registered, 49).

Introductory Course: Psychology. DM. (2)

ASSOCIATE PROFESSOR STRONG.

Behan, <i>u</i>	Marot, <i>u</i>	de Swarte, <i>a</i>
Carpenter, <i>a</i>	Morgan, <i>u</i>	Tanaka, <i>a</i>
Clarke, <i>a</i>	Munson,	Voight, <i>a</i>
Curtis, <i>u</i>	O'Connor,	Walls, <i>a</i>
Hoebeke, <i>u</i>	Osgood, <i>u</i>	Weingarten, <i>a</i>
Hopkins, <i>a</i>	Otis,	Williams, <i>a</i>
Howard, <i>a</i>	Rogers, <i>a</i>	Wyant, <i>u</i> (23)
Leiser, <i>a</i>	Strawn, <i>a</i>	

Advanced Psychology. DM. (10)

ASSOCIATE PROFESSOR STRONG.

Baker, <i>g</i>	Bray, <i>g</i>	Wood, <i>g</i> (5)
Brainard, <i>g</i>	Stafford, <i>g</i>	

General History of Philosophy. DM. (4)

ASSISTANT PROFESSOR TUFTS.

Goldberg, <i>a</i>	Pierce, <i>u</i>	Taylor, <i>g</i>
Leadingham, <i>d</i>	Pike, <i>g</i>	Tompkins, <i>g</i>
Milliman, <i>g</i>	Spalding, <i>u</i>	Wood, <i>g</i> (10)
Payne,		

Seminar: The Philosophy of Kant. DM. (7)

ASSISTANT PROFESSOR TUFTS.

Baker, <i>g</i>	Millerd, <i>g</i>	Stafford, <i>g</i> (4)
Manchester, <i>g</i>		

Theory of Education. DM. (13)

DR. MONIN.

Church, <i>u</i>	Kirkpatrick, <i>g</i>	Ricketts, <i>u</i> (5)
French, <i>g</i>	Morgan, <i>u</i>	

Schopenhauer and Hartmann. DM. (5)

DR. MEZES.

Sanders, <i>g</i>	Sherman	(2)
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I. B. APOLOGETICS AND ETHICS.

C. 17.

(Students, 29; courses registered, 54).

Ethics. M. 1st Term. (2)

PROFESSOR ROBINSON.

Allen, <i>d</i>	Ford, <i>d</i>	Pooley,
Allison, <i>d</i>	Halbert, <i>d</i>	Prescott, <i>u</i>
Behan, <i>u</i>	Horne, <i>d</i>	Rhodes, <i>d</i>
Case, <i>d</i>	Innes, <i>g</i>	Shatto, <i>d</i>
Chadbourn, <i>u</i>	Kinney, <i>d</i>	Ward, <i>d</i>
Cressey, <i>d</i>	Kohlsaat, <i>u</i>	Wilkins, <i>g</i>
Criswell, <i>d</i>	Noftsinger, <i>d</i>	Wood, <i>d</i>
Davies, <i>d</i>	Osgood, <i>u</i>	Wyant, <i>d</i>
Fisk, <i>d</i>		(25)

Advanced Ethics. M. 2d Term. (3)

PROFESSOR ROBINSON.

Allen, <i>d</i>	Ford, <i>d</i>	Prescott, <i>u</i>
Allison, <i>d</i>	Hanson, <i>d</i>	Rhodes, <i>d</i>
Behan, <i>u</i>	Horne, <i>d</i>	Shatto, <i>d</i>
Case, <i>d</i>	Innes, <i>g</i>	Starkweather, <i>d</i>
Chadbourn, <i>u</i> ,	Kinney, <i>d</i>	Stevens, <i>d</i>
Church, <i>u</i>	Kohlsaat, <i>u</i>	Ward, <i>d</i>
Cressey, <i>d</i>	Newcomb, <i>d</i>	Wilkins, <i>g</i>
Criswell, <i>d</i>	Osgood, <i>u</i>	Wood, <i>d</i>
Davies, <i>d</i>	Pooley,	Wyant, <i>d</i> (28)
Fisk, <i>d</i>		

II. POLITICAL ECONOMY.

C. 3-8.

(Students, 85; courses registered, 102).

Economic Seminar. DM. (19)

HEAD PROFESSOR LAUGHLIN.

Cummings, <i>g</i>	Hoxie, <i>g</i>	Thompson, <i>g</i>
Grant, <i>g</i>	Million, <i>g</i>	Vanderlip,
Hardy, <i>g</i>	Sikes, <i>g</i>	White. H. K., <i>g</i> (9)

Seminar in Finance. DM. (18)

PROFESSOR A. C. MILLER.

Brown, <i>g</i>	Herron, <i>g</i>	Thurston, <i>g</i>
Catterall, <i>g</i>	Hoxie, <i>g</i>	Tunell, <i>g</i>
Grant, <i>g</i>	Stowe, <i>g</i>	West, <i>g</i>
Hatfield, <i>g</i>		

Advanced Political Economy. DM. (1a)

PROFESSOR A. C. MILLER.

Atwood, <i>a</i>	Dorman, <i>g</i>	Rapp, <i>a</i>
Barker, <i>a</i>	Fry, <i>a</i>	Rice, <i>a</i>
Barnard, <i>a</i>	Hopkins, <i>a</i>	Sass, <i>a</i>
Barnes, <i>u</i>	Jude, <i>g</i>	Savage, <i>a</i>
Barrett, <i>g</i>	Learned, <i>g</i>	Sikes, <i>g</i>
Behan, <i>u</i>	Lipsky, <i>a</i>	Spencer, <i>g</i>
Benbow, <i>g</i>	Livingston, <i>u</i>	Start, <i>g</i>
Chadbourne, <i>u</i>	McCalla, <i>a</i>	Tanaka, <i>a</i>
Chandler, <i>u</i>	McMahan, <i>u</i>	Thomas, <i>a</i>
Coolidge, <i>a</i>	Million, <i>g</i>	Tunell, <i>g</i>
Connett, <i>a</i>	Mitchell, <i>a</i>	Vanderlip, <i>a</i>
Curtis, <i>u</i>	Moran, <i>u</i>	Williams, C., <i>a</i>
Davis, <i>a</i>	Muhlhauser, <i>g</i>	Williams, J., <i>a</i>
DeGraff, <i>a</i>	Osgood, <i>u</i>	Wolff, <i>a</i>

Descriptive Political Economy. DM. (1b)

MR. CALDWELL.

Hale, <i>a</i>	Minard, <i>a</i>	Robinson, <i>a</i>
Hulbert, <i>u</i>	Ramsay, <i>a</i>	Roosa, <i>a</i>
Lamay, <i>a</i>		

History of Political Economy. DM. (5)

MR. CALDWELL.

Barrett, D. C., <i>g</i>	Dye, <i>g</i>	Learned, <i>g</i>
Cummings, <i>g</i>	Fenelon, <i>g</i>	Willis, <i>g</i>

Railway Transportation. DM. (12)

MR. HILL.

Herron, <i>g</i>	Northup, <i>g</i>
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Industrial and Economic History. DM. (2)

MR. HILL.

(Course not taken).

Comparative Study in Economic and Social Ideals. DM.

MR. CUMMINGS.

(Course not taken).

Advanced Statistics. DM. (11)

DR. HOURWICH.

Boyd, <i>g</i>	Northup, <i>g</i>	Whitecomb, <i>a</i>
Hardy, <i>g</i>	de Swarte, <i>a</i>	White, H. K., <i>g</i>
Herron, <i>g</i>	Ware, <i>g</i>	

Socialism. DM. (7)

DR. VEBLEN.

Boyd, <i>g</i>	Prescott, <i>u</i>	Ware, <i>g</i>
Hardy, <i>g</i>	de Swarte, <i>a</i>	Willis, H. P., <i>g</i>

Oral Debates. DM. (4)

MESSRS. HILL, LOVETT, AND CLARK.

Barnard, <i>a</i>	Million, <i>g</i>	Sass, <i>a</i>
Catterall, <i>g</i>	Mosley, <i>g</i>	Stowe, <i>g</i>
Laning, <i>u</i>	Northrup, <i>g</i>	Wilkins, <i>g</i>
Hoxie, <i>g</i>	Rapp, <i>a</i>	Willis, <i>g</i>

III. POLITICAL SCIENCE.

C. 1, 9, 10, 12.

(Students, 45; courses registered, 52).

Seminar in Politics. DM. (1)

PROFESSOR JUDSON.

Blakely, <i>g</i>	Dingee, <i>a</i>	Tunnicliff, <i>g</i>
Brown, <i>g</i>	Mead, <i>g</i>	Wilcox, <i>g</i>
Conger, <i>g</i>	Thompson, <i>g</i>	Willard, <i>g</i>

Comparative Politics. DM. (3)

PROFESSOR JUDSON.

Alden, <i>g</i>	Grant, <i>g</i>	Rullkoetter, <i>g</i>
Brown, <i>g</i>	Knox, <i>g</i>	Sikes, <i>g</i>
Chandler, <i>u</i>	Livingstone, <i>u</i>	Start, <i>g</i>
Dorman, <i>g</i>	MacDougall, <i>u</i>	Stowe, <i>g</i>
Dye, <i>g</i>	Miller, <i>g</i>	Tunnicliff, <i>g</i>
Farr, <i>g</i>	Moseley, <i>g</i>	Wallin, <i>g</i>

American Constitutional Law. DM. (5)

PROFESSOR JUDSON.

Barnard, <i>a</i>	Eastman, <i>u</i>	McBee, <i>a</i>
Catterall, <i>g</i>	Fryer, <i>u</i>	Moseley, <i>g</i>
Chandler, <i>u</i>	Hoebeke, <i>u</i>	Rapp, <i>a</i>
Connett, <i>a</i>	Howard, <i>a</i>	Voight, <i>a</i>
Curtis, <i>u</i>	Hoxie, <i>g</i>	Willis, <i>g</i>
Davis, <i>a</i>	Laning, <i>u</i>	Wilson
Dorman, <i>a</i>		

Research.

Tunell, <i>g</i>	Wallace, <i>g</i>
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Spanish-American Institutions. DM. (13)

MISS WALLACE.

(Course not taken).

Anthropo-Geography. DM. (15)

MR. CONGER.

Schofield, <i>g</i>	Tunnicliff, <i>g</i>	Williston, <i>a</i>
Start, <i>g</i>		

IV. HISTORY.

C. 5-8.

(Students, 193; courses registered, 232).

Seminar: Special Topics connected with American History. DM. (34)

HEAD PROFESSOR VON HOLST.

Alden, <i>g</i>	French, <i>g</i>	Start, <i>g</i>
Barrett, <i>g</i>	Hastings, <i>g</i>	Thompson, <i>g</i>
Blakely, <i>g</i>	Hinckley, <i>g</i>	Van der Ploeg, <i>g</i>
Catterall, <i>g</i>	Jude, <i>g</i>	Wallin, <i>g</i>
Clark, H. B., <i>g</i>	Million, <i>g</i>	Webster, W. C., <i>g</i>
Crandall, <i>g</i>	Mosley, <i>g</i>	White, H. V., <i>g</i>
Davis, A. F., <i>g</i>	Page, <i>g</i>	Wilcox, <i>g</i>
Davis, W. S., <i>g</i>	Rullkoetter, <i>g</i>	Williams, F., <i>a</i>
Fertig, <i>g</i>	Spencer, <i>g</i>	

French Revolution and the Napoleonic Era.

DM. (19)

HEAD PROFESSOR VON HOLST.

Alden, <i>g</i>	Fertig, <i>g</i>	Muehlhauser, <i>g</i>
Benbow, <i>g</i>	Jude, <i>g</i>	Page, <i>g</i>
Crandall, <i>g</i>	Hastings, <i>g</i>	Van der Ploeg, <i>g</i>
Davis, <i>g</i>	Hinckley, <i>g</i>	Webster, <i>g</i>
Dorman, <i>g</i>	Learned, <i>g</i>	Wilkinson, <i>g</i>
Durban, <i>g</i>	McCasky, <i>g</i>	

Seminar: Early English Institutions. DM. (31)

PROFESSOR TERRY.

Blakely, <i>g</i>	Hunter, G. L., <i>g</i>	Scofield, <i>g</i>
Farr, <i>g</i>	McCasky, <i>g</i>	Thompson, <i>g</i>
Hinckley, <i>g</i>	Ogden, <i>g</i>	Wilcox, <i>g</i> (9)

The First Attempt to Reorganize Barbaric Society in Europe under Roman Forms. DM. (11)

PROFESSOR TERRY.

Behan, <i>u</i>	Knox, <i>g</i>	Rowan, J. M.,
Crandall, <i>g</i>	Lindeblad, <i>a</i>	Scofield, <i>g</i>
Dunn, <i>g</i>	McCaflerty, <i>g</i>	Spencer, <i>g</i>
Farr, <i>g</i>	McDougall, <i>g</i>	Strawn, <i>a</i>
Fertig, <i>g</i>	McLean, <i>g</i>	Steelman, <i>d</i>
Fry, <i>g</i>	Moran, <i>u</i>	Taylor, <i>u</i>
Gilpatric, <i>a</i>	Radford, M. L., <i>u</i>	Van der Ploeg, <i>g</i>
Knecht, <i>g</i>	Rogers, M. J., <i>u</i>	Williams, D., <i>a</i> (24)

Post-Exilic Biblical History from the Exile to the Christian Era. M. 1st Term. (2a)

ASSOCIATE PROFESSOR GOODSPEED.

Berry, G. R., <i>g</i>	Jones, L. A., <i>g</i>	Nichols, E. B., <i>d</i>
Borden, <i>d</i>	Knapp, <i>a</i>	Pooley, <i>g</i>
Coon, <i>d</i>	Knox, <i>g</i>	Shaw, E., <i>g</i>
Dickie, <i>g</i>	Marot, M. L., <i>u</i>	Soares, <i>g</i>
Evans, T. S., <i>d</i>	MacLean, <i>g</i>	Sturges, <i>g</i>
Ford, J. E., <i>d</i>	McDonald, <i>d</i>	Whaley, <i>g</i> (19)
Hancock, <i>a</i>		

The Early Christian History in its Relation to the Græco-Roman World. M. 2d Term. (2b)

ASSOCIATE PROFESSOR GOODSPEED.

Dunn, <i>g</i>	MacLean, <i>g</i>	Shaw, E., <i>g</i>
Jones, L. A., <i>g</i>	Martin, B. F., <i>d</i>	Soares, <i>g</i>
Knox, <i>g</i>	Pooley, <i>g</i>	Sturges, <i>g</i> (9)

Outline History of the Middle Ages. DM. (41a)

ASSISTANT PROFESSOR THATCHER.

Bachelé, <i>a</i>	Graves, <i>a</i>	Mixsell, <i>g</i>
Barker, <i>a</i>	Hewitt, <i>a</i>	Moffatt, <i>a</i>
Bliss, <i>a</i>	Hobart, <i>a</i>	Niblock, <i>g</i>
Boomer, <i>u</i>	Hughes, <i>a</i>	Robertson, <i>a</i>
Brown, <i>a</i>	Hulbert, <i>a</i>	Robinson, <i>a</i>
Carroll, <i>a</i>	Jenkenson, <i>a</i>	Sampsell, <i>a</i>
Cook, <i>a</i>	Karpen, <i>a</i>	Sass, <i>a</i>
Dibell, <i>a</i>	Klock, <i>a</i>	Shallies, <i>g</i>
Downing, <i>a</i>	Liebenstein, <i>a</i>	Sperans, <i>a</i>
Friedman, <i>a</i>	Macomber, <i>a</i>	Todd, <i>a</i>
Furness, <i>a</i>	McCorkle, <i>a</i>	Winston, <i>a</i>
Goodspeed, <i>g</i>	McGillivray, <i>a</i>	Wright, <i>g</i> (36)

Outline History of the Middle Ages. DM. (41b)

ASSISTANT PROFESSOR THATCHER.

Agerter, <i>a</i>	Ellis, <i>a</i>	Pracell, <i>a</i>
Almy, <i>a</i>	Foster, <i>a</i>	Sherwin, <i>a</i>
Barnes, <i>a</i>	Gale, <i>a</i>	Smith, <i>a</i>
Broek, <i>a</i>	Hering, <i>a</i>	Wales, <i>a</i>
Butler, <i>a</i>	Johnson, <i>a</i>	Wiley, <i>a</i>
Crafts, <i>a</i>	Kane, <i>a</i>	Williams, C. L.
Dignan, <i>a</i>	Kerr, <i>a</i>	Williams, J. W., <i>a</i>
Dirks, <i>a</i>	Lingle, <i>a</i>	Wilmarth, <i>g</i>
Drew, <i>a</i>	Maynard, <i>a</i>	Wolpert, <i>g</i> (29)
Durand, <i>a</i>	Osgood, <i>a</i>	

The French Revolution and the Era of Napoleon. DM. (39)

DR. SCHWILL.

Arnold, <i>a</i>	Deaton, <i>g</i>	Packer, <i>a</i>
Atwood, <i>a</i>	Dudley, <i>a</i>	Schnelle, <i>a</i>
Caraway, <i>a</i>	Heil, <i>u</i>	Wyant, <i>u</i> (10)
Castle, <i>u</i>		

Outline History of Modern Europe. DM. (42)

DR. SCHWILL.

Atwood, <i>a</i>	Hulbert, <i>u</i>	Sampsell, <i>a</i>
Beatty, <i>a</i>	Hulshart, <i>a</i>	Savage, <i>g</i>
Chapin, <i>g</i>	Hurlbut, <i>a</i>	Scovel, <i>u</i>
Dickerson, <i>g</i>	Jordan, <i>a</i>	Sincere, <i>a</i>
Diver, <i>a</i>	McCalla, <i>g</i>	Stevens, <i>a</i>
Flint, <i>a</i>	McClintock, <i>a</i>	Stone, <i>a</i>
Gettys, <i>a</i>	Mitchell, <i>a</i>	Tefft, <i>a</i>
Goodhue, <i>a</i>	Nichols, <i>a</i>	Williams, C. B., <i>a</i>
Hallingby, <i>g</i>	Porterfield, <i>a</i>	Willis, <i>a</i>
Hewitt, <i>a</i>	Rand, <i>a</i>	Woods, F., <i>a</i>
Hubbard, <i>a</i>	Rice, <i>g</i>	Woodward, <i>a</i> (33)

Social Life in the American Colonies. DM. (23)

DR. SHEPARDSON.

Barrett, <i>g</i>	Gallion, <i>g</i>	Moran, <i>g</i>
Caraway, <i>a</i>	Gleason, <i>a</i>	Pike, <i>a</i>
Connett, <i>g</i>	Knecht, <i>g</i>	Ramsay, <i>a</i>
Davis, <i>g</i>	Lindeblad, <i>a</i>	Smith, <i>a</i>
Dudley, <i>a</i>	Lipsky, <i>a</i>	Speer, <i>a</i>
Eastman, <i>u</i>	Lozier, <i>u</i>	Wallin, <i>g</i> (20)
Fry, <i>g</i>	McLean, <i>g</i>	

V. SOCIAL SCIENCE AND ANTHROPOLOGY.*C. 2, 10-12, and W.*

(Students, 62; courses registered, 92).

Seminar: The Psychology, Ethics, and Sociology of Socialism. 3DM. (23)

HEAD PROFESSOR SMALL.

Clark, <i>g</i>	Learned, <i>g</i>	West, <i>g</i>
Davies, <i>g</i>	Thomas, <i>g</i>	Wilkinson, <i>g</i>
Gow, <i>g</i>	Vincent, <i>g</i>	Willard, <i>g</i> (9)

Social Psychology. DM. (25)

HEAD PROFESSOR SMALL.

Atkinson, <i>g</i>	Howarth, <i>g</i>	Shatto, <i>d</i>
Boyd, <i>g</i>	Johnston, <i>g</i>	Steelman, <i>d</i>
Brownson, <i>d</i>	Kirkpatrick, <i>g</i>	Thomas, <i>g</i>
Cummings, <i>g</i>	Mead, <i>g</i>	Vincent, <i>g</i>
Dye, <i>g</i>	Moore, <i>u</i>	Ward, <i>d</i>
Fulcomer, <i>g</i>	Read, <i>d</i>	Willard, <i>g</i>
Hastings, <i>g</i>	Sanders, <i>g</i>	Wishart, <i>d</i> (21)

Problems of Social Statics. DM. (27)

HEAD PROFESSOR SMALL.

Atkinson, <i>g</i>	Howarth, <i>g</i>	Sanders, <i>g</i>
Clark, <i>g</i>	Johnston, <i>g</i>	Spencer, <i>g</i>
Davies, <i>g</i>	Kirkpatrick, <i>g</i>	Steelman, <i>d</i>
Fulcomer, <i>g</i>	Mead, <i>g</i>	Thomas, <i>g</i>
Gow, <i>g</i>	Northup, <i>g</i>	Vincent, <i>g</i> (17)
Hastings, <i>g</i>	Osborn, <i>d</i>	

Seminar : Social Organizations for Promoting Social Welfare. DM. (14)

ASSISTANT PROFESSOR HENDERSON.

Atkinson, <i>g</i>	Gordon, <i>g</i>	Putnam, <i>g</i>
Boyd, <i>g</i>	Howerth, <i>g</i>	Rogers, <i>g</i>
Brownson, <i>d</i>	Johnston, <i>g</i>	Waldo, <i>d</i>
Davis, <i>d</i>	Prescott, <i>u</i>	West, <i>g</i>
Hicks, <i>d</i>		(13)

Criminology. DM. (17)

ASSISTANT PROFESSOR HENDERSON.

Allison, <i>d</i>	Evans, <i>d</i>	Roosa, <i>u</i>
Barnes, <i>u</i>	Fryer, <i>u</i>	Stevens, <i>d</i>
Brewster (Mrs.), <i>d</i>	Griffith, <i>d</i>	Taylor, <i>d</i>
Brownson, <i>d</i>	Heyland, <i>d</i>	Tustin, <i>d</i>
Cabeen, <i>d</i>	Howerth, <i>g</i>	Waldo, <i>d</i>
Carpenter, <i>a</i>	Johnston, <i>g</i>	Wilkins, <i>g</i>
Davis, <i>d</i>	Ramsey, <i>a</i>	(20)

Seminar in Sanitary Science. DM. (10)

ASSISTANT PROFESSOR TALBOT.

Cary, <i>g</i>	(1)
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Sanitary Aspects of Water, Food and Clothing. DM. (12)

ASSISTANT PROFESSOR TALBOT.

Burchard, <i>g</i>	Cary, <i>g</i>	Moore, <i>u</i>	(3)
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Laboratory Work in Anthropology. DM. (1)

ASSISTANT PROFESSOR STARR.

(Course not taken).

Physical Anthropology Laboratory Work. DM. (2)

ASSISTANT PROFESSOR STARR.

(Course not taken).

Ethnology of North America. DMM. (7)

ASSISTANT PROFESSOR STARR.

Bale, <i>d</i>	Ford, <i>g</i>	Nichols, <i>d</i>
Davies, <i>g</i>	Miller, <i>g</i>	Robertson, Mrs. (8)
Dunn, <i>g</i>	Nichols, Mrs., <i>d</i>	

Applied Anthropology. DMM. (3)

DR. WEST.

(Course not taken).

VI. COMPARATIVE RELIGION.

D. 16.

(Students, 6; courses registered, 12).

The Religions of China. M. 1st Term. (2a)

ASSOCIATE PROFESSOR GOODSPEED.

Hanson, <i>d</i>	Moore, <i>u</i>	Stevens, <i>d</i>
Horne, <i>d</i>	Sanderson, <i>d</i>	Wood, <i>g</i>
		(6)

The Religions of Japan. M. 2d Term. (2b)

MR. BUCKLEY.

Hanson, <i>d</i>	Moore, <i>u</i>	Stevens, <i>d</i>
Horne, <i>d</i>	Sanderson, <i>d</i>	Wood, <i>g</i>
		(6)

VII. SEMITIC LANGUAGES AND LITERATURES.

D. 12-16.

(Students, 57; courses registered, 74).

Arabic Poetry and Inscriptions. DM. (68)

HEAD PROFESSOR HARPER.

Archibald, <i>g</i>	Jones, L. A., <i>g</i>	Walker, D. A., <i>g</i>
Berry, <i>g</i>	Mallory, <i>g</i>	Whaley, <i>g</i>
Dickie, <i>g</i>		(7)

Hebrew Language. DM. (1)

HEAD PROFESSOR HARPER and DR. CRANDALL.

Allen, I. W., <i>d</i>	Eubank, <i>d</i>	Jones, H. F., <i>d</i>
Atchley, <i>d</i>	Fletcher, <i>d</i>	Lawrence, <i>d</i>
Bale, <i>d</i>	Ford, <i>d</i>	Lake, <i>d</i>
Beyle, <i>d</i>	Froberg, <i>u</i>	Lemon, <i>d</i>
Bowen, <i>d</i>	Goodman, <i>d</i>	Lockhart, <i>d</i>
Brouson, <i>d</i>	Griffith, <i>d</i>	Morgau, <i>d</i>
Bruce, <i>d</i>	Guard, <i>d</i>	Owen, E. J., <i>g</i>
Chalmers, <i>d</i>	Georges, <i>d</i>	Randall, <i>d</i>
Chapin, <i>d</i>	Hageman, <i>d</i>	Rhodes, <i>d</i>
Coon, D. I., <i>d</i>	Hanson, <i>d</i>	Rosen, <i>d</i>
Davies, <i>d</i>	Hazelton, <i>d</i>	Sanders, <i>d</i>
Dickerson, <i>d</i>	Herrick, <i>d</i>	Varney, <i>d</i>
Eaton, <i>d</i>	Howard, W. S., <i>d</i>	Wright, <i>d</i>
Eddy, <i>d</i>	Ingraham, <i>d</i>	(41)

Abodah Zarah. M. 1st Term. (48)

Leiser, <i>a</i>	PROFESSOR HIRSCH.	(1)
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Selected Portions of the Mishna. M. 1st Term. (43)

PROFESSOR HIRSCH.

(Course not taken).

Coptic. M. 2d Term. (44)

Howard, H., <i>d</i>	PROFESSOR HIRSCH.	(1)
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New Testament and Talmudic Analogies. M. 2d Term. (46)

Soares, <i>g</i>	Whaley, <i>g</i>	PROFESSOR HIRSCH.	(2)
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Beginning Assyrian. M. 1st Term. (69)

ASSOCIATE PROFESSOR HARPER.

(Course not taken).

Advanced Assyrian. M. 2d Term. (71)

ASSOCIATE PROFESSOR HARPER.

Berry, <i>g</i>	Mallory, <i>g</i>	(2)
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Beginning Syriac. DM. (88)

ASSOCIATE PROFESSOR HARPER.

Archibald, <i>g</i>	Leiser, <i>a</i>	Walker, D. A., <i>g</i>	(3)
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Jeremiah. M. 1st Term. (21)

ASSOCIATE PROFESSOR PRICE.

Archibald, <i>g</i>	Leadingham, <i>d</i>	Walker, D. A., <i>g</i>
Dickie, <i>g</i>	Mallory, <i>g</i>	Woodruff, <i>d</i>
		(6)

Isaiah, Chapter XL-LXVI. M. 2d Term. (23)

ASSOCIATE PROFESSOR PRICE.

Archibald, <i>g</i>	Jones, L. A., <i>g</i>	Walker, D. A., <i>g</i>
Dickie, <i>g</i>	Martin, <i>d</i>	Woodruff, <i>d</i>
Hunter, <i>u</i>	Mallory, <i>g</i>	(8)

Biblical Aramaic. DM. (80)

ASSOCIATE PROFESSOR PRICE.

Gray, Mrs., Jones, L. A., *g* Soares, *g* (3)**Historical Hebrew. M. 2d Term. (4)**

DR. CRANDALL.

(Course not taken).

Apocryphal Wisdom Literature. DM. (32)

DR. KENT.

(Course not taken).

VIII. BIBLICAL AND PATRISTIC GREEK.*D. 10-12.*

(Students, 13; courses registered, 17).

The Gospel of John. DM. (10)

HEAD PROFESSOR BURTON.

Allen, C. W., <i>d</i>	Goodspeed, E. J., <i>g</i>	Phillips, D. T., <i>d</i>
Borden, <i>d</i>	Hurley, <i>d</i>	Wishart, <i>d</i>
Davis, U. S., <i>d</i>	Owen, E. J., <i>g</i>	Wyant, <i>d</i> (9)

New Testament Quotations from the Old Testament.**I. The Gospels.**

HEAD PROFESSOR BURTON.

Allison, <i>d</i>	Soares, <i>g</i>	Woodruff, <i>d</i> (4)
Goodspeed, E. J., <i>g</i>		

History of the Problem of the Synoptic Gospels, and of the Historical Criticism of the Fourth Gospel.

DM. (25)

DR. ARNOLD.

Goodspeed, E. J., <i>g</i>	Owen, <i>g</i>	Woodruff, <i>d</i> (4)
Innes, <i>g</i>		

IX. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.*B. 2-8.*

(Students, 7; courses registered, 10).

Sanskrit (continued). DM. (2)

ASSISTANT PROFESSOR BUCK.

Jones, F. N., <i>g</i>	Winston, <i>g</i>	Zarbelle, <i>g</i> (4)
Jones, J. L., <i>g</i>		

Seminar. DM. (5)

ASSISTANT PROFESSOR BUCK.

Fowler, <i>g</i>	Linscott, <i>g</i>	Winston, <i>g</i>
Jones, <i>g</i>	Owen, <i>g</i>	Zarbelle, <i>g</i> (6)

X. THE GREEK LANGUAGE AND LITERATURE.*B. 2-8.*

(Students, 61; courses registered, 67).

Seminar: The History of Ancient Philosophy.

DM. (20)

PROFESSOR SHOREY.

Dodge, <i>g</i>	Millerd, <i>g</i>	Ricketts, <i>u</i>
Ely, <i>g</i>	Owen, <i>g</i>	Smith, E. J., <i>g</i>
France, <i>g</i>	Paschal, <i>g</i>	Sisson, <i>g</i> (11)
Kruse, <i>u</i>	Pellett, <i>g</i>	

Literary Criticism and Rhetoric of the Ancients.

DM. (22)

PROFESSOR SHOREY.

Bray, <i>g</i>	Gilbert, <i>g</i>	Ogden, <i>g</i>
Carpenter, <i>g</i>	Lewis, <i>g</i>	Reynolds, <i>g</i> (6)

Demosthenes (Philippics and Olynthiacs). DM. (6)

ASSOCIATE PROFESSOR TARBELL.

Atwood, H., <i>a</i>	Daniels,	Dougherty, R., <i>a</i>
Barnes, <i>a</i>	Davies, M. B., <i>g</i>	Norton, <i>g</i>
Blaine, <i>g</i>	Dingee, <i>a</i>	Trumbull, <i>a</i> (10)
Bliss, <i>a</i>		

Introduction to Classical Archæology. DM. (16)

ASSOCIATE PROFESSOR TARBELL.

Chase, C. K., <i>g</i>	Emery, <i>g</i>	Norton, <i>g</i>
Clark, G. N.,	Harley, <i>g</i>	Walker, A. T., <i>g</i>
Daniels,	Jackson, G., <i>g</i>	Wasson, <i>g</i> (10)
Ely, <i>g</i>		

Demosthenes and Æschines. DM. (9)

ASSISTANT PROFESSOR CASTLE.

Clark, G. N.,	Hamilton, A., <i>a</i>	Smith, H. J., <i>a</i> (5)
Gettys, <i>a</i>	Pike, <i>a</i>	

Selected Plays of Sophocles and Euripides.

DM. (14)

ASSISTANT PROFESSOR CASTLE.

Adkinson, <i>a</i>	Lewis, M. C., <i>a</i>	Potter, <i>g</i>
Blaine, <i>g</i>	Lewis, S. W., <i>a</i>	Ward, <i>g</i> (8)
Dodge, <i>g</i>	Pascal, <i>g</i>	

Homer (Iliad, Books I-III); Review of Greek Grammar. DM. (1)

MR. W. B. OWEN.

Baird, <i>a</i>	Kells, <i>a</i>	Stevens, <i>a</i>
Bray,	Mandeville, <i>a</i>	Thompson, E. C., <i>a</i>
Daniels,	McCaw, <i>a</i>	Tolman, <i>a</i>
Edwards, T. A., <i>g</i>	Minnick, <i>a</i>	Tooker, <i>a</i>
Hyman, <i>a</i>	Odell, <i>a</i>	Wright, (17)
Jackson, <i>a</i>	Pienkowsky, <i>a</i>	

XI. THE LATIN LANGUAGE AND LITERATURE.*B. 2-8.*

(Students, 114; courses registered, 134).

Juvenal. DM. (24)

HEAD PROFESSOR HALE.

Chase, <i>g</i>	Jones, <i>g</i>	Shaw, <i>g</i>
Danforth, <i>g</i>	Jackson, <i>g</i>	Smith, <i>g</i>
Ely, <i>g</i>	Linscott, <i>g</i>	Walker, <i>g</i>
France, <i>g</i>	Markham, <i>g</i>	Wasson, <i>g</i>
Fowler, <i>g</i>	Paschal, <i>g</i>	Winston, <i>g</i> (17)
Harley, <i>g</i>	Ricketts, <i>u</i>	

Seminar 3: Comparative Syntax of the Greek and Latin Verb. DM. (43)

HEAD PROFESSOR HALE.

Ely, <i>g</i>	Gilbert, <i>g</i>	Smith, <i>g</i>
Emery, <i>g</i>	Harley, <i>g</i>	Walker, <i>g</i>
Faulkner, <i>g</i>	Jackson, <i>g</i>	Zarbelle, <i>g</i> (11)
France, <i>g</i>	Millerd, <i>g</i>	

Cicero's Letters. DM. (13)

ASSOCIATE PROFESSOR ABBOTT.

Blaine, <i>g</i>	Heil, <i>u</i>	Robertson, S., <i>a</i>	
Carroll, <i>a</i>	Hill,	Shaw, <i>g</i>	
Chase, <i>g</i>	Kruse, <i>u</i>	Todd, <i>a</i>	
Danforth, <i>g</i>	Luttrell, <i>a</i>	Ward, <i>g</i>	
Davies, M., <i>g</i>	Norton, <i>g</i>	Wasson, <i>g</i>	(17)
Dingee, <i>a</i>	Potter, <i>g</i>		

Seminar I: Colloquial Latin. DM. (41)

ASSOCIATE PROFESSOR ABBOTT.

Danforth, <i>g</i>	Jones, F., <i>g</i>	Potter, <i>g</i>	
Davies, M., <i>g</i>	Markham, <i>g</i>	Ward, <i>g</i>	(6)

Introduction to Classical Archæology. DM. (32)

ASSOCIATE PROFESSOR TARBELL.

(See X., 16).

Horace (Odes); Wilkins's Primer of Roman Literature. DM. (8c)

DR. MILLER.

Ballou, <i>a</i>	Hay, <i>a</i>	Nelson, <i>a</i>	
Barrett, C., <i>a</i>	Hosie, <i>a</i>	Nichols, <i>a</i>	
Bond, <i>a</i>	Hubbard, <i>a</i>	Plant, <i>a</i>	
Brandt, <i>a</i>	Hutchings, <i>a</i>	Raud, <i>a</i>	
Chamberlin, <i>a</i>	Jordan, <i>a</i>	Sincere, <i>a</i>	
Cornish, <i>a</i>	Lagergren, <i>a</i>	Tefft, <i>a</i>	
Cosgrove, <i>a</i>	Luttrell, <i>a</i>	Thomas, <i>a</i>	
Dougherty, <i>a</i>	Mandel, <i>a</i>	VanVliet, <i>a</i>	
Goodman, <i>a</i>	Markham, <i>g</i>	Walls, <i>a</i>	
Gwin, <i>a</i>	McClintock, <i>a</i>	Woods, <i>a</i>	
Haft, <i>a</i>	McWilliams, <i>a</i>	Woodward, <i>a</i>	(35)
Hallugby,	Messick, <i>a</i>		

Horace (Satires); Seneca (Tragedies). DM. (9)

DR. MILLER.

Barrett, L., <i>a</i>	Dibell, <i>a</i>	Mitchell, <i>a</i>	
Bennett, <i>a</i>	Downing, <i>a</i>	Moffatt, <i>a</i>	
Bliss, <i>a</i>	Furness, <i>a</i>	Porterfield, <i>a</i>	
Brown, L., <i>a</i>	Gettys, <i>a</i>	Rayeroft, <i>a</i>	
Clark, G.,	Graves, <i>a</i>	Rogers, <i>a</i>	
Cook, <i>a</i>	Hulbert, C., <i>u</i>	Sampson, <i>a</i>	
DeGraff, <i>a</i>	Leiser, <i>a</i>	Willis, G., <i>a</i>	(21)

Cicero (de Senectute); Livy (Books XXI and XXII); Terence (Phormio); Tacitus (Germania and Agricola). Section 2. DMM. (3c)

MR. EMERY.

Alschuler, <i>a</i>	Drew, <i>a</i>	Johnson, <i>a</i>	
Axelsson, <i>a</i>	Edwards, <i>g</i>	McKinley,	
Bennett, <i>a</i>	Evaus, <i>a</i>	Mannhardt, <i>a</i>	
Brown, <i>a</i>	Gatzert, <i>a</i>	Oglevee, <i>a</i>	
Campbell, <i>a</i>	Ickes, <i>a</i>	Petersou, <i>a</i>	
Caraway, <i>a</i>	Johann, <i>a</i>	Radford, M. E., <i>a</i>	(19)
Crouse, <i>a</i>			

Virgil (Æneid); Cicero (Orations). DMM. (1)

MISS PELLETT.

Campbell, <i>a</i>	Hubbard,	Runyon,	
Goldberg, <i>a</i>	McClintock, <i>a</i>	Yarzemski, <i>a</i>	(6)

XII. ROMANCE LITERATURE AND PHILOLOGY.

B. 12-16.

(Students, 72; courses registered, 100).

Old French. DM. (2)

HEAD PROFESSOR KNAPP.

Austin, <i>g</i>	Hunter, <i>g</i>	de Poyen, <i>g</i>	
Cutler, <i>g</i>	Neff, <i>g</i>	Witkowski, <i>g</i>	(7)
Fairfield, <i>g</i>			

Old Spanish. DM. (6)

HEAD PROFESSOR KNAPP.

Austin, <i>g</i>	Hunter, <i>g</i>	de Poyen, <i>g</i>	
Cutler, <i>g</i>	McWhirt, <i>g</i>	Wallace, <i>g</i>	
Fairfield, <i>g</i>	Neff, <i>g</i>	Witkowski, <i>g</i>	(9)

Spanish Conversation. (Special Course, Wednesdays, 9-11).

HEAD PROFESSOR KNAPP.

Austin, <i>g</i>	Hunter, <i>g</i>	Neff, <i>g</i>	
Cutler, <i>g</i>	Kirkland, <i>g</i>	de Poyen, <i>g</i>	
Fairfield, <i>g</i>	McWhirt, <i>g</i>	Witkowski, <i>g</i>	(9)

French Literature of the Nineteenth Century (continued). DM. (13b)

ASSISTANT PROFESSOR BERGERON.

Korsmeyer, <i>g</i>	Reese, <i>g</i>		(2)
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Special Course of Conversation. DMM. (15)

ASSISTANT PROFESSOR BERGERON.

Barrett, <i>a</i>	Graves, <i>a</i>	Neel, <i>a</i>	
Beatty, <i>a</i>	Hay, <i>a</i>	Russell, <i>a</i>	
Bowers,	Hurlbut, Lila C., <i>a</i>	Scarff, <i>u</i>	
Brandt, <i>a</i>	Jenkinson, <i>a</i>	Sherwin, <i>a</i>	
Castle, <i>u</i>	Karper, <i>a</i>	Schwartz, <i>a</i>	
Chamberlin, <i>a</i>	Lozier, <i>u</i>	Stowell, <i>a</i>	
Fish, <i>a</i>	McCafferty, <i>g</i>	Walling, <i>a</i>	
Friedman, <i>a</i>	McWilliams, A. L., <i>a</i>	Webster, <i>a</i>	(26)
Gardner, <i>a</i>	Morgau, M., <i>a</i>		

French Phonetics. DM. (20)

ASSISTANT PROFESSOR BERGERON.

Korsmeyer, <i>g</i>	Reese, <i>g</i>		(2)
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Historical French Grammar. DM. (Special course.)

MR. DE POYEN.

Austin, <i>g</i>	Fairfield, <i>g</i>	Neff, <i>g</i>	
Cutler, <i>g</i>	Hunter, <i>g</i>	Witkowski, <i>g</i>	(6)

Italian Drama. M. 1st Term. (24)

(Course not taken).

Italian Comedy. M. 2d Term. (25)

(Course not taken).

Knapp's French Readings (continued); French Grammar (continued). DMM. (30)

DR. KINNE.

Barrett, <i>a</i>	Hiss,	Rothschild, <i>a</i>	
Bell, <i>a</i>	Jackson, <i>a</i>	Sherman, <i>a</i>	
Berry,	Keith,	Steigmeyer, <i>a</i>	
Dirks, <i>a</i>	Lambert, <i>u</i>	Vaughan, <i>a</i>	
George,	Maynard, <i>a</i>	Wallace, <i>a</i>	(16)
Grant, <i>a</i>			

Selections from Mérimée, Teuillet, Lamartine, etc.

DM. (31)

Beach, <i>a</i>	Lambert, <i>u</i>	Perrine, <i>g</i>	
Dudley,	Mannhardt, <i>a</i>	Roche, <i>a</i>	
Ellis, <i>u</i>	McGillivray, <i>a</i>	Vaughan, <i>a</i>	
Gallion,	Paddock,	Whitson, <i>a</i>	(13)
Hulsbart, <i>a</i>			

Spanish. DM. (10)

Breeden, <i>a</i>	Kirtland,	Moran, <i>u</i>	
Carroll, <i>a</i>	McCorkle, <i>a</i>	Murphy, <i>a</i>	
Fairfield, <i>g</i>	Minard, <i>a</i>	Webster, <i>a</i>	(10)
Holloway, <i>a</i>			

XIII. GERMANIC LANGUAGES AND LITERATURES.

B. 9-11.

(Students, 125; courses registered, 135).

Seminar.

ASSISTANT PROFESSOR CUTTING AND DR. SCHMIDT-WARTENBERG.

Jones, J. L., <i>g</i>	Rullkoetter, <i>g</i>	Smith, <i>g</i>	
Kern, <i>g</i>	Sass, <i>a</i>	Walker, <i>u</i>	
Korsmeyer, <i>g</i>	Scarff,	Wollpert,	
McCafferty, <i>g</i>	Schmidt, <i>g</i>	Wood, F. A., <i>g</i>	(13)
Mulfinger, <i>g</i>			

Faust II. DM. (1)

ASSISTANT PROFESSOR CUTTING.

Korsmeyer, <i>g</i>	Rullkoetter, <i>g</i>	Wollpert,	
Mulfinger, <i>g</i>	Schmidt, <i>g</i>	Wood, F. A., <i>g</i>	(6)

German Prose Composition. DM. (16)

ASSISTANT PROFESSOR CUTTING.

Allen, <i>a</i>	Friedmann, <i>a</i>	Scarff,	
Alschuler, <i>a</i>	Graves, <i>a</i>	Stückrath,	
Batt, <i>a</i>	Jones, <i>a</i>	Walker, F. M., <i>u</i>	
Bishop, <i>a</i>	McCafferty, <i>g</i>	Wieland,	
Castle, <i>u</i>	Sass, <i>a</i>	Wolff, <i>a</i>	(16)
Crandall, <i>a</i>			

German Comedies. DM. (20)

ASSISTANT PROFESSOR CUTTING.

Atkinson, <i>a</i>	Hewitt, <i>a</i>	Peabody, <i>a</i>	
Baird, <i>a</i>	Hobart, <i>a</i>	Pierce, <i>u</i>	
Battis,	Hubbard,	Robertson, <i>a</i>	
Bray,	Hubbard, M., <i>a</i>	Sincere, <i>a</i>	
Brown, <i>a</i>	Jonkinson, <i>a</i>	Speer, <i>a</i>	
Chollar, <i>a</i>	Johnson, <i>a</i>	Stückrath,	
Crafts, <i>a</i>	Kennedy, <i>a</i>	Tanaka, <i>a</i>	
De Graff, <i>a</i>	Kerr, <i>a</i>	Taylor, <i>a</i>	
Downing, <i>a</i>	Knapp, <i>a</i>	Thomas, <i>a</i>	
Furness, <i>a</i>	McIntock, A., <i>a</i>	Thompson, E., <i>a</i>	
Gale, <i>a</i>	McMahan, <i>u</i>	Tooker, <i>a</i>	
Gleason, <i>a</i>	Messick, <i>a</i>	Todd, <i>a</i>	
Goodhue, <i>a</i>	Moffatt, <i>a</i>	Wales, <i>a</i>	
Graves, P., <i>a</i>	Mosser, S. C., <i>a</i>	Williams, D., <i>a</i>	
Hewitt, H. O., <i>a</i>	Packer, <i>a</i>	Wooley, <i>a</i>	(45)

Old High German (Introductory). DM. (4)

DR. SCHMIDT-WARTENBERG.

Jones, J. L., <i>g</i>	Mulfinger, <i>g</i>	Smith, R. P., <i>d</i>	(4)
Linscott, <i>g</i>			

Middle High German (Advanced). DM. (8)

DR. SCHMIDT-WARTENBERG.

Jones, J. L., <i>g</i>	Kern, <i>g</i>	Wood, F. A., <i>g</i>	(3)
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Scientific Reading. DM. (26)

DR. SCHMIDT-WARTENBERG.

Fiske, <i>g</i>			(1)
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Elementary Course. DMM. (17)

MR. MULFINGER.

Agarter, <i>a</i>	Kellogg, <i>a</i>	Stover,
Beardsley,	Kelso,	Swett,
Chace, <i>a</i>	Lingle, <i>a</i>	Van Vliet, <i>a</i>
Cortner,	Murphy, <i>a</i>	Wilkinson, A. C., <i>u</i>
Ellis, <i>a</i>	Perkins, <i>a</i>	Wilkinson, H., <i>g</i>
Keeler, <i>a</i>	Peterson, <i>d</i>	

Intermediate Course. DM. (18)

MR. MULFINGER.

Arnold, <i>a</i>	Goodman,	Pierce, <i>a</i>
Barker, <i>a</i>	Goss,	Robinson, <i>a</i>
Barnard, <i>a</i>	Lewis, M. C., <i>a</i>	Scovel, <i>u</i>
Bliss, <i>a</i>	Lewis, S. W., <i>a</i>	Shallies,
Dawes,	McBee,	Simpson, <i>a</i>
Dickerson,	McClenaham, <i>a</i>	Tompkins, <i>g</i>
Dodge, <i>g</i>	McWilliams, <i>a</i>	Trumbull, <i>a</i>
Flint, J., <i>a</i>	Mixsell,	Wilson,
Flint, N., <i>a</i>	Payne,	Winston, <i>a</i>
Ford, <i>a</i>	Pershing, <i>a</i>	Woods, F., <i>a</i>

XIV. THE ENGLISH LANGUAGE AND LITERATURE; AND RHETORIC

K.

(Students, 331; courses registered, 396).

Ancient Tragedy for English Readers. DM. (12)

PROFESSOR MOULTON.

American,	Lathe, <i>g</i>	Radford, <i>u</i>
Barrett, <i>g</i>	Love, <i>g</i>	Ranney,
Battis,	MacLean, <i>g</i>	Reynolds,
Bowen, <i>g</i>	Matz,	Smith, <i>g</i>
Brainard, <i>g</i>	McMahan, <i>u</i>	Stanton, <i>g</i>
Butler, <i>a</i>	Meadowcroft,	Vanghan, <i>a</i>
Chadbourn, <i>u</i>	Mitchell,	Webster, <i>a</i>
Crotty, <i>g</i>	Moran,	Wilkins, <i>g</i>
Folsom, Nellie E.,	Porter, <i>a</i>	Wilkinson, <i>g</i>
Johnson, <i>g</i>		

Old English. Elementary Course (continued).

DM. (24)

ASSISTANT PROFESSOR BLACKBURN.

Battis,	Johnson, L. A., <i>g</i>	Squires, <i>g</i>
Carpenter, N. J., <i>g</i>	Lambert, <i>u</i>	Weatherlow, <i>g</i>
Dougherty, M., <i>u</i>	Mitchell, F. L.,	Witt
Grant, <i>g</i>	Ogden, <i>g</i>	Wood, F. A., <i>g</i>
Henry, <i>g</i>	Snoddy, <i>g</i>	Woods, W.,

Rhetoric and English Composition. DM. (1b)

MESSRS. HERRICK AND LOVETT.

Alling,	Graves, E. B., <i>a</i>	Munson,
Baker, <i>a</i>	Graves, L. B., <i>a</i>	Niblock,
Ballou, <i>a</i>	Hering, <i>a</i>	Northrup, <i>u</i>
Batt, <i>a</i>	Hewitt, H. O., <i>a</i>	Odell, <i>a</i>
Battis,	Hutchings, <i>a</i>	Osgood, <i>a</i>
Beardsley,	Hymen, <i>a</i>	Perkins, <i>a</i>
Bliss, G. A., <i>a</i>	Jackson, C. B., <i>a</i>	Pershing, <i>a</i>
Breeden, <i>a</i>	Jackson, W. H., <i>a</i>	Peterson, <i>a</i>
Campbell, J. T., <i>a</i>	Jenkinson, <i>a</i>	Plant, <i>a</i>
Campbell, J. W., <i>a</i>	Kaue, <i>a</i>	Pollock, <i>a</i>
Chollar, <i>a</i>	Kells, <i>a</i>	Radford, <i>a</i>
Cornish, <i>a</i>	Kelso,	Rand, <i>a</i>
Cosgrove, <i>a</i>	Kenney,	Ranney,
Crandall, <i>a</i>	Klock, <i>a</i>	Rothschild, <i>a</i>
Davis, S. E.,	Lagergren, <i>a</i>	Ruinyon, <i>a</i>
Dignan, <i>a</i>	Liebenstein, <i>a</i>	Schwarz, <i>a</i>
Dirks, <i>a</i>	Lugle, <i>a</i>	Shallies,
Drew, <i>a</i>	Lipsky, <i>a</i>	Simpson, B. J., <i>a</i>
Dnrand, <i>a</i>	Loeb, <i>a</i>	Steigmeyer, <i>a</i>
Eastman, <i>u</i>	Logie, <i>u</i>	Tefft, <i>a</i>
Eisendrath, <i>a</i>	Macomber, <i>a</i>	Thomas, I. M., <i>a</i>
Ellis, <i>a</i>	Mandel, <i>a</i>	Thompson, E. C., <i>a</i>
Evans, <i>a</i>	Mandeville, <i>a</i>	Thompson, H. B., <i>a</i>
Fish, <i>a</i>	McCaw, <i>a</i>	Tooker, <i>a</i>
Flint, J. M., <i>a</i>	McCorkle, <i>a</i>	Trumbull, <i>a</i>
Foster, <i>a</i>	Meadowcroft,	Witt,
Goodman, <i>a</i>	Miller, <i>g</i>	Wollpert,
Goss,	Mitchell,	Wright, (86)
Grant, <i>a</i>	Mixsell,	

Rhetoric and English Composition. (1c)

(Course not given until Autumn, 1894).

English Composition (continued). DM. (2)

MR. LOVETT.

Barnes, <i>a</i>	Hopkins, <i>a</i>	Williams, C. B., <i>a</i>
Bishop, <i>a</i>	Hosie, <i>a</i>	Wilmarth,
Fox,	Howard, <i>a</i>	Winston, <i>a</i>
Gallion,	Karpen, <i>a</i>	Wolff, H. D., <i>a</i>
Gardner, <i>a</i>	Matz,	Wolff, L., <i>a</i> (17)
Hartley,	Radford, <i>u</i>	

Advanced English Composition (continued). DM. (5)

MR. HERRICK.

Davis, E. E.,	Lathe, <i>g</i>	Otis,
Emerson, <i>g</i>	Love, <i>g</i>	Rogers, <i>a</i>
Goodspeed,	McKinley,	Wilkius, <i>g</i> (10)
Hubbard,		

XV. BIBLICAL LITERATURE IN ENGLISH.*D. 10-16.*

(Students, 15; courses registered, 19).

The Corinthian Epistles. DM. (B8 and 9)

MR. VOTAW.

Alling,	Giblett, <i>d</i>	Summers, <i>d</i>
Blake, <i>d</i>	Lockwood, C. H., <i>d</i>	Troyer, <i>d</i>
Carroll, <i>d</i>	Lockwood, E. L., <i>d</i>	Willistou, F., <i>a</i>
Case, F. A., <i>d</i>	Loughridge, <i>d</i>	Witt, <i>d</i> (12)

The Life of Christ. DM. (B2)

MR. VOTAW.

Alling,	Hurlbutt, W. H., <i>a</i>	Nichols, F. D., <i>a</i>
Clark, F. B., <i>a</i>	Kerr, M. L., <i>a</i>	Wright, S. E. (7)
Hartley, E., <i>a</i>		

XVI. MATHEMATICS.*R.*

(Students, 157; courses registered, 172).

Theory of Functions of a Complex Variable.

DM. (16)

PROFESSOR MOORE.

Froley, <i>g</i>	Markhof, <i>g</i>	Whitney, <i>g</i> (5)
Huff, <i>g</i>	Slaught, <i>g</i>	

Plane Analytic Geometry and Differential and Integral Calculus (continued). DM. (5)

PROFESSOR MOORE.

George, <i>a</i>	Neel, <i>a</i>	Schnelle, <i>a</i>
Heil, <i>u</i>	Payne,	Spalding, <i>u</i>
Johnson, V. O., <i>a</i>	Peet, <i>g</i>	Stone, I., <i>g</i> (9)

Research Work.

PROFESSOR MOORE.

Hardcastle, <i>g</i>		(1)
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Hyperelliptic Functions. DM. (21)

PROFESSOR BOLZA.

Hutchinson, <i>g</i>	Smith, J. A., <i>g</i>	(2)
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Advanced Integral Calculus. DM. (7)

PROFESSOR BOLZA.

Fenelou, <i>g</i>	Joffe, <i>g</i>	Taylor, <i>g</i>
Foley, <i>g</i>	Lehman, <i>g</i>	Torrey, <i>g</i> (8)
Gillespie, <i>g</i>	Schottenfels, <i>g</i>	

Thesis Work.

PROFESSOR BOLZA.

Hutchinson, <i>g</i>		(1)
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Theory of the Potential. DM. (14)

ASSISTANT PROFESSOR MASCHKE.

Foley, <i>g</i>	Huff, <i>g</i>	Smith, <i>g</i>
Gillespie, <i>g</i>	Markhof, <i>g</i>	Whitney, <i>g</i> (7)
Goldberg, <i>a</i>		

Line Geometry. DM. (18)

ASSISTANT PROFESSOR MASCHKE.

Cobb, <i>g</i>	Joffe, <i>g</i>	Schottenfels, <i>g</i> (4)
Huff, <i>g</i>		

Determinants: Theory of Equations (continued). DM. (6)

DR. YOUNG.

Deaton, <i>g</i>	Lansingh, <i>a</i>	Spalding, <i>u</i>
Fenelon, <i>g</i>	Lehman, <i>g</i>	Taylor, <i>g</i>
Joffe, <i>g</i>	Schottenfels, <i>g</i>	Torrey, <i>g</i> (9)

Required Mathematics. DM. (1a)

DR. BOYD.

Abbott,	Dirks, <i>a</i>	Masser, <i>a</i>
Barrett, <i>a</i>	Grant, F., <i>a</i>	Parker, <i>a</i>
Beatty, <i>a</i>	Jones, N. L., <i>a</i>	Stone, H., <i>g</i>
Brock, <i>a</i>	Nelson, <i>a</i>	Stowell, <i>a</i>
Comstock,	Marsh, <i>a</i>	Vaughn, W. C., <i>a</i> (15)

Required Mathematics. DM. (1b)

DR. BOYD.

Batt, <i>a</i>	Hyman, <i>a</i>	Schwarz, <i>a</i>
Crafts, <i>a</i>	Lingle, <i>a</i>	Smith, <i>a</i>
Foster, <i>a</i>	Loeb, <i>a</i>	Woodward, <i>a</i> (10)
Friedman, J. C., <i>a</i>		

Required Mathematics. DM. (1c)

DR. BOYD.

Baker, <i>a</i>	Gilpatrick, <i>a</i>	Rothchild, <i>a</i>
Barrett, <i>a</i>	Fish, <i>a</i>	Russell, <i>a</i>
Breeden, <i>a</i>	Graves, E. B., <i>a</i>	Tooker, <i>a</i>
Campbell, J. T., <i>a</i>	Graves, L. B., <i>a</i>	Thomas, I. M., <i>a</i>
Chollar, <i>a</i>	Hulshart, <i>a</i>	Thompson, E., <i>a</i>
Coolidge, <i>a</i>	Mitchell, <i>a</i>	Thompson, H., <i>a</i>
Crandall, <i>a</i>	Hurlburt, W. H., <i>a</i>	Walling, <i>a</i> (23)
Dougherty, R. L., <i>a</i>	Peabody, <i>a</i>	

Required Mathematics. DM. (1d)

MR. SLAUGHT.

Apps, E., <i>a</i>	Ford, <i>a</i>	Morgan, <i>a</i>
Beach, <i>a</i>	Goodman,	Odell, <i>a</i>
Bennett, E., <i>a</i>	Harvey, <i>g</i>	Osgood, <i>a</i>
Bliss, <i>a</i>	Hering, <i>a</i>	Pershing, <i>a</i>
Chace, <i>a</i>	Kells, <i>a</i>	Pienkowski, <i>a</i>
Chamberlin, E., <i>a</i>	McClenahan, <i>a</i>	Raycroft, <i>a</i>
Dignan, <i>a</i>	Mandeville, <i>a</i>	Smith, H., <i>a</i>
Durand, <i>a</i>	Maynard, <i>a</i>	Tooker, <i>a</i>
Flint, <i>a</i>	Minnick, <i>a</i>	Wolff, <i>a</i> (27)

Required Mathematics. DM. (1e)

MR. SLAUGHT.

Atwood, <i>a</i>	Gardner, <i>a</i>	McCorkle, <i>a</i>
Bachelé, <i>a</i>	Guthrie, <i>a</i>	McKinley,
Bennett, L., <i>a</i>	Gwin, <i>a</i>	Messick, <i>a</i>
Campbell, <i>a</i>	Hallugby,	Mosser, <i>a</i>
Chamberlin, <i>a</i>	Hay, F., <i>a</i>	Northrup, <i>u</i>
Colnon,	Hurlbut, <i>a</i>	Peterson, <i>a</i>
Cornish, <i>a</i>	Kellogg, <i>a</i>	Rand, <i>a</i>
Dornsife, <i>a</i>	Kennedy, <i>a</i>	Sperans, <i>a</i>
Evans, <i>a</i>	Lagergren, <i>a</i>	Walls, <i>a</i> (29)
Fiske, <i>g</i>	Locsch, <i>a</i>	

Required Mathematics. DM. (1f)

MR. SMITH.

Beardsley,	Liebeustein, <i>a</i>	Porterfield, <i>a</i>
Cosgrove, <i>a</i>	Macomber, <i>a</i>	Radford, <i>a</i>
Courtner,	Mandel, <i>a</i>	Rice,
Ellis, M. V., <i>a</i>	McCalla,	Simpson, <i>a</i>
Goodman, C., <i>a</i>	McCaw, <i>a</i>	Trumbull, <i>a</i>
Hutchings, <i>a</i>	McWilliams, M., <i>a</i>	Winston, A., <i>a</i>
Hyman, <i>a</i>	Perkins, <i>a</i>	Woodward, (22)
Kane, <i>a</i>		

XVII. ASTRONOMY.

R.

(Students, 10; courses registered, 16).

Solar Physics. DM. (or MM.) (2)

ASSOCIATE PROFESSOR HALE.

(Course not given owing to Professor Hale's absence).

General Perturbations. DM. (6)

DR. SEE.

Froley, <i>g</i>	Lehman, <i>g</i>	Slaught, <i>g</i> (3)
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Astronomical Seminar. (10)

DR. SEE AND DR. LAVES.

Barrett, <i>g</i>	Harvey, <i>g</i>	Slaught, <i>g</i> (5)
Froley, <i>g</i>	Lehman, <i>g</i>	

General Astronomy (continued). (11)

DR. SEE.

Clarke, <i>a</i>	Harvey, <i>g</i>	Taylor, <i>u</i>
Deaton, <i>g</i>	Marot, <i>u</i>	Wyant, <i>u</i> (6)

Spherical Harmonics. DM. (8a)

DR. LAVES.

Froley, <i>g</i>	(1)
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Determination of Orbits. DM. (8)

DR. LAVES.

Harvey, <i>g</i>	(1)
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XVIII. PHYSICS.

R.

(Students, 77; courses registered, 84).

Research Course. DMM. (1)

HEAD PROFESSOR MICHELSON.

(Course not taken).

Special Graduate Course. DM. (or DMM.) (2)

HEAD PROFESSOR MICHELSON.

Foley, <i>g</i>	Mautner, <i>g</i>	Whitney, <i>g</i> (3)
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General Physics (advanced). DM. (3)

PROFESSORS MICHELSON AND STRATTON.

Barrett, S. B., <i>g</i>	Mautner, <i>g</i>	Swartz, <i>g</i>
Cooke, E., <i>g</i>	Newby, <i>g</i>	Welch, <i>g</i> (8)
Leslie, <i>g</i>	Stoue, <i>g</i>	

Laboratory Practice (advanced). DM. (4)

ASSISTANT PROFESSOR STRATTON.

Barrett, S. B., <i>g</i>	Mautner, <i>g</i>	Welch, <i>g</i>
Leslie, <i>g</i>	Stoue, <i>g</i>	Whitney, <i>g</i> (6)

Electrical Measurements. DM.

ASSISTANT PROFESSOR STRATTON.

(Course combined with No. 4).

General Physics. 2DM. (5)

ASSISTANT PROFESSOR STRATTON.

Abbott, W.,	Gale, <i>a</i>	Paddock,
Bachellé, <i>a</i>	Haft, <i>a</i>	Peabody, <i>a</i>
Baird, <i>a</i>	Hamilton, <i>a</i>	Perisho, <i>g</i>
Baker, <i>a</i>	Hewitt, H., <i>a</i>	Pershing, <i>a</i>
Barrett, <i>a</i>	Hobart, <i>a</i>	Robbins,
Bennett, <i>a</i>	Holloway, <i>a</i>	Shibley,
Bliss, <i>a</i>	Hubbard,	Speer, <i>a</i>
Braam,	Hughes, <i>a</i>	Sperans, <i>a</i>
Breeden, <i>a</i>	Johnson, <i>a</i>	Stone, <i>g</i>
Brock, <i>a</i>	Jones, <i>a</i>	Stone, H. W., <i>a</i>
Carpenter, <i>a</i>	Karpen, <i>a</i>	Taylor, <i>g</i>
Chollar, <i>a</i>	Keeler, <i>a</i>	Thomas, <i>a</i>
Clark, F. B., <i>a</i>	Kruse,	Thompson, <i>a</i>
Comstock,	Lansingh, <i>a</i>	Voight, <i>a</i>
D'Ancona,	Leonard	Wales, <i>a</i>
Dougherty, H., <i>a</i>	Loeb, <i>a</i>	Weingarten, <i>a</i>
Fiske, <i>g</i>	Marsh, <i>a</i>	Weiland,
Flint, J., <i>a</i>	McClenahan, <i>a</i>	Williston, <i>a</i>
Folin, <i>g</i>	McGillivray, <i>a</i>	Winston, <i>a</i>
Friedman, <i>a</i>	Neel, <i>a</i>	Wolff, <i>a</i> (60)

Laboratory Practice. DM. (6)

MR. HOBBS.

Barrett, S. B., <i>g</i>	Gleason, <i>a</i>	Parker,
Dawes,	Hubbard, L., <i>g</i>	Willard, <i>g</i> (7)
Gilpatrick, <i>a</i>		

XIX. CHEMISTRY.**K.**

(Students, 48; courses registered, 82).

Organic Chemistry. DM. (6)

PROFESSOR NEF.

Bothe, <i>g</i>	Goodell, <i>g</i>	Swartz, S. E., <i>g</i>
Chesnut, <i>g</i>	Hesse, <i>g</i>	Wood, R. W., <i>g</i> (8)
Folin, <i>g</i>	Mitchell, <i>g</i>	

Organic Preparations. Laboratory Work. DM. (or MM.) (12)

PROFESSOR NEF.

Chesnut, <i>g</i>	Folin, <i>g</i>	Swartz, S. E., <i>g</i> (3)
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Research Work for Ph.D. Thesis Laboratory Work. DM. (14)

PROFESSOR NEF.

Bernhard, <i>g</i>	Crofton, <i>g</i>	Smith, W. R., <i>g</i> (3)
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Journal Meetings. DM. (15½)

PROFESSOR NEF.

Bernhard, <i>g</i>	Goodell, <i>g</i>	Smith, <i>g</i>
Chesnut, <i>g</i>	Hesse, <i>g</i>	Swartz, S. E., <i>g</i>
Crofton, <i>g</i>	Jones, L. W., <i>g</i>	Wood, R. W., <i>g</i> (11)
Folin, <i>g</i>	Mitchell, B. S., <i>g</i>	

Independent Research.

Crofton, <i>g</i>	Sherman, <i>g</i>	Von Akeron, <i>g</i> (4)
Hesse, B. C., <i>g</i>		

Advanced Inorganic Work. DM. (or MM.) (10)

ASSISTANT PROFESSOR SCHNEIDER.

Goodell, <i>g</i>	Jaquish, <i>g</i>	Mitchell, <i>g</i> (3)
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Qualitative Analysis. Laboratory Work. DM. (or MM.) (4)

ASSISTANT PROFESSOR SCHNEIDER.

Abells,	Fox, <i>g</i>	Whitson, <i>a</i>
Blackmarr,	Hiss,	Yarzembski, <i>a</i> (8)
Emerson, <i>g</i>	Newby, <i>g</i>	

Qualitative Analysis. Lectures. ½DM. (3a)

ASSISTANT PROFESSOR SCHNEIDER.

Abells,	Fox, <i>g</i>	Whitson, <i>a</i>
Blackmarr,	Hiss	Yarzembski, <i>a</i> (8)
Emerson, <i>g</i>	Newby, <i>g</i>	

Quantitative Analysis. Laboratory Work. DM. (or MM.) (5)

ASSISTANT PROFESSOR SCHNEIDER.

Bothe, <i>g</i>	Keeler, <i>g</i>	Stone, H., <i>g</i> (3)
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Research Work for Ph.D. Thesis (Inorganic). DMM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

(Course not taken).

General Chemistry (continued). DM. (1)

DR. LENGFELD.

Abells,	Lewis, <i>u</i>	Taylor, <i>g</i>
Boomer, J., <i>u</i>	Mautner, <i>g</i>	Tolman, <i>a</i>
Comstock,	Minard, <i>a</i>	Walling, <i>a</i>
Fox, <i>g</i>	Pierce, E. V., <i>u</i>	Webster, <i>a</i>
Guyer, <i>u</i>	Robbins,	Whitson, <i>a</i>
Hamilton, <i>a</i>	Shibley,	Wolff, L., <i>a</i>
Hessler,	Stone, H., <i>g</i>	Woolley, <i>a</i>
Hiss,	Stone, I., <i>g</i>	Yarzembski, <i>a</i>
Lamay, <i>a</i>	Stowell, <i>a</i>	Zoethout (27)

Theoretical Chemistry. ½DM. (9)

DR. LENGFELD.

Bothe, <i>g</i>	Goodell, <i>g</i>	Jones, <i>g</i> (5)
Chesnut, <i>g</i>	Hesse, <i>g</i>	

History of Chemistry. ½DM. (18)

DR. LENGFELD.

Hesse, <i>g</i>		(1)
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Research Work for Ph.D. Thesis. DMM. (14)

DR. LENGFELD.

Wood, <i>g</i>		(1)
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Qualitative Spectrum Analysis. Laboratory Work and Lectures. ½DM. (16)

DR. STIEGLITZ.

Chesnut, <i>g</i>	Hesse, <i>g</i>	Smith, W. R., <i>g</i> (4)
Fox, <i>g</i>		

The Carbo-hydrates and the Complex Hydro-carbons. ½DM. (21)

DR. STIEGLITZ.

Bernhard, <i>g</i>	Swartz, S. E., <i>g</i>	(2)
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Advanced Inorganic Work. DM. (or MM.) (10a)

DR. STIEGLITZ.

Jones, L. W., <i>g</i>		(1)
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XX. GEOLOGY.

W.

(Students, 51; courses registered, 101).

Seminar. (25)

HEAD PROFESSOR CHAMBERLIN.

(Contributing Members).

Bownocker, <i>g</i>	Knapp, <i>a</i>	Quereau, <i>g</i>
Buell, <i>g</i>	Kümmel, <i>g</i>	Whitson, <i>u</i>
Gordon, <i>g</i>	Merriam, <i>g</i>	Willard, D. E., <i>g</i> (11)
Hopkins, <i>g</i>	Peet, <i>g</i>	

(Attending Members).

Cowles, <i>g</i>	Hay, <i>g</i>	Perisho, <i>g</i>
Farr, <i>g</i>	Lucas, <i>g</i>	Taylor, <i>g</i> (7)
Ford, <i>g</i>		

Principles and Working Methods of Geology. DM.

(or MM.) (22)

HEAD PROFESSOR CHAMBERLIN.

Buell, <i>g</i>	Hibbard, <i>g</i>	Merriam, <i>g</i>
Hay, <i>g</i>	Hopkins, <i>g</i>	Quereau, <i>g</i> (6)

Special Geology. (23)

HEAD PROFESSOR CHAMBERLIN
AND PROFESSOR SALISBURY.

Bownocker, <i>g</i>	Jones, L. W., <i>g</i>	Quereau, <i>g</i>
Buell, <i>g</i>	Knapp, <i>a</i>	Udden, <i>g</i>
Gordon, <i>g</i>	Kümmel, <i>g</i>	Willard, D. E., <i>g</i> (11)
Hopkins, <i>g</i>	Peet, <i>g</i>	

Structural Geology and Continental Evolution. DM.

(or MM.) (12)

PROFESSOR SALISBURY.

Barnes, <i>u</i>	Ford, E. K., <i>g</i>	Willard, E., <i>g</i> (5)
Cowles, <i>g</i>	Perisho, <i>g</i>	

General Geology. DM. (9)

PROFESSOR SALISBURY.

Barrett, <i>g</i>	Lewis, A. B., <i>u</i>	Willard, E., <i>g</i>
Chadbourn, <i>u</i>	Miller, M. L., <i>g</i>	Williams, <i>a</i>
Clarke, <i>a</i>	Thomas, F. M.,	Woods, F., <i>a</i> (10)
Cowles, <i>g</i>		

Descriptive Mineralogy. DM. (4)

ASSOCIATE PROFESSOR IDDINGS.

Barrett, <i>g</i>	Hopkins, <i>g</i>	Perisho, <i>g</i>
Bothe, <i>g</i>	Jones, L. W., <i>g</i>	Thomas, F. M., (8)
Ford, <i>g</i>	Lewis, A. B., <i>u</i>	

Petrography. DMM. (or DM.) (6)

ASSOCIATE PROFESSOR IDDINGS.

Barrett, <i>g</i>	Hopkins, <i>g</i>	Knapp, <i>a</i> (4)
Bownocker, <i>g</i>		

Economic Geology. DM. (14)

ASSOCIATE PROFESSOR PENROSE.

Barrett, <i>g</i>	Gordon, <i>g</i>	Knapp, <i>a</i>
Buell, <i>g</i>	Hibbard, <i>g</i>	Kümmel, <i>g</i> (8)
Burchard, <i>g</i>	Hopkins, <i>g</i>	

Chemistry of Ore Deposits. DM. (15)

ASSOCIATE PROFESSOR PENROSE.

(Course not given in 1894.)

Pre-Cambrian Geology. M. 1st Term. (19)

PROFESSOR VAN HISE.

Bownocker, <i>g</i>	Gordon, <i>g</i>	Kümmel, <i>g</i> (5)
Buell, <i>g</i>	Hopkins, <i>g</i>	

Laboratory Course in Connection with Pre-Cambrian Geology. M. 1st Term. (20)

PROFESSOR VAN HISE.

Bownocker, <i>g</i>	Gordon, <i>g</i>	Kümmel, <i>g</i> (5)
Buell, <i>g</i>	Hopkins, <i>g</i>	

Paleontologic Geology. DM. (18b)

DR. QUEREAU AND DR. MERRIAM.

Bownocker, <i>g</i>	Ford, <i>g</i>	Peet, <i>g</i>
Cornish, <i>g</i>	Lucas, <i>g</i>	Willard, D. E., <i>g</i> (7)
Cowles, <i>g</i>		

Physiography. DM. (1)

MR. KÜMMEL.

Apps, <i>a</i>	Hutchings, <i>a</i>	Wallace, E., <i>a</i>
Bond, <i>a</i>	Jackson, C., <i>a</i>	Wieland, <i>g</i>
Guthrie, <i>a</i>	Lewis, M. C., <i>a</i>	Wilmarth, <i>g</i>
Haft, <i>a</i>	Lewis, S. W., <i>a</i>	Winston, <i>a</i> (14)
Hay, M., <i>a</i>	Loesch, <i>a</i>	

XXII. ZOÖLOGY.

K.

(Students, 33; courses registered, 44).

Embryology. Higher Invertebrates. DMM. (1)

HEAD PROFESSOR WHITMAN.

Bristol, <i>g</i>	Eycleshymer, <i>g</i>	Mead, <i>g</i>
Brode, <i>g</i>	Hubbard, <i>g</i>	Munson, <i>g</i>
Boyer, <i>g</i>	Johnson, <i>g</i>	Sturges, <i>g</i> (11)
Clapp, <i>g</i>	Lillie, <i>g</i>	

Seminar: Historical Topics. DM. (3)

HEAD PROFESSOR WHITMAN.

Bristol, <i>g</i>	Eycleshymer, <i>g</i>	Mead, <i>g</i>
Brode, <i>g</i>	Johnson, <i>g</i>	Munson, <i>g</i>
Boyer, <i>g</i>	Lillie, <i>g</i>	Sturges, <i>g</i> (10)
Clapp, <i>g</i>		

Vertebrate Embryology. DMM. (4)

MR. LILLIE.

Cole, <i>g</i>	Guyer, <i>u</i>	Hubbard, <i>u</i>
Farr, <i>g</i>	Hardesty, <i>g</i>	Taylor, <i>g</i> (6)

Cellular Biology. (7)

(Lectures and Demonstrations).

DR. WATASE.

Bacteriological Research. DMM.

DR. JORDAN. (1)

Elementary Zoölogy. DM. (5)

DR. JORDAN.

Bell, <i>a</i>	Miller, <i>g</i>	Weingarten, <i>a</i>
Chamberlain, <i>g</i>	Munson, <i>g</i>	Willard, <i>g</i>
Ford, <i>g</i>	Pierce, L. F., <i>a</i>	Wolfe, <i>g</i>
Hubbard, M. E., <i>a</i>	Strawn, <i>a</i>	Wooley, <i>a</i>
Lewis, A., <i>u</i>	Thomas, F. M.,	Zoethout, <i>u</i> (16)
Lozier, <i>u</i>		

PALEONTOLOGY.

W.

Comparative Osteology and Phylogeny of Vertebrates.

DM. (9)

ASSISTANT PROFESSOR BAUR.

Clapp, *g* Comstock, Hay, *g* (3)

Seminar in Comparative Osteology. DM. (10)

ASSISTANT PROFESSOR BAUR.

Clapp, *g* Comstock, Hay, *g* (3)

Research in the Osteology of Living and Extinct Vertebrates. DMM. (11)

ASSISTANT PROFESSOR BAUR.

Farr, *g* Hay, *g* Taylor, *g* (3)

XXIII. ANATOMY AND HISTOLOGY.

K.

(Students, 9; courses registered, 9).

General Histology of Animals. DM. (1)

MR. EYCLESHYMER.

Chamberlain, *g* Hibbard, *g* Sturgis, *g*
 Flint, J., *a* Hubbard, *u* Wolfe, *g*
 Hardesty, *g* Shibley, Zoethaut, *u* (9)

XXIV. PHYSIOLOGY.

R.

(Students, 20; courses registered, 28).

Original Investigations in Physiology. DMM. (1)

ASSISTANT PROFESSOR LOEB.

Cooke, *g* (1)

Physiology of Circulation, Respiration, and Animal Heat. DM. (5)

ASSISTANT PROFESSOR LOEB.

Brode, *g* Hibbard, *g* Munson, *g*
 Chamberlain, *g* Mitchell, *g* Sturges, *g* (7)
 Hardesty, *g*

Laboratory Work in the Physiology of Circulation, Respiration, and Animal Heat. (6)

ASSISTANT PROFESSOR LOEB.

Chamberlain, *g* Mitchell, *g* Sturges, *g* (4)
 Hibbard, *g*

Seminar. In connection with Course 11. DM. (12)

ASSISTANT PROFESSOR LOEB.

Chamberlain, *g* Hibbard, *g* Mitchell, *g* (4)
 Cooke, *g*

Introductory Physiology. DM. (13)

DR. LINGLE.

Atwood, *a* Goodhue, *a* Purcell, *a*
 Ballou, *a* Hewitt, H., *a* Steigmeyer, *a*
 Butler, *a* Kennedy, *a* Wiley, *a*
 Diver, *a* McClintock, *a* Wolff, *a* (12)

XXV. NEUROLOGY.

K.

(Students, 12; courses registered, 21).

Anatomy of the Special Sense Organs. M.

1st Term. (2)

PROFESSOR DONALDSON.

Clapp, *g* Manchester, *g* Sisson, *g*
 Eycleshymer, *g* Mead, *g* Stafford, *g* (7)
 Johnson, *g*

Physical Characters of the Brain as related to the Intelligence. M. 2d Term. (3)

PROFESSOR DONALDSON.

Campbell, *g* Johnson, *g* Sisson, *g*
 Clapp, *g* Manchester, *g* Stafford, *g* (9)
 Eycleshymer, *g* Mead, *g* Thomas, *g*

Seminar. DM. (6)

PROFESSOR DONALDSON.

Baker, Manchester, *g* Wolfe, *g* (5)
 Brainard, *g* Stafford, *g*

XXVI. ELOCUTION.

A.

(Students, 85; courses registered, 88).

Theory and Practice. One hour a week. (1)

MR. CLARK.

Section A.

Carroll, *a* Gilpatrick, *a* Robinson, *a*
 Clarke, H. L., *a* Kerr, *a* Smith, H. J., *a*
 Furness, *a* Klock, *a* Woodward, *a* (9)

Section B.

Carpenter, *a* Hughes, *a* McKinley,
 Clark, F., *a* Jones, N. L., *a* Rice,
 Diver, *a* McCalla, Van Vliet, *a* (9)

Section C.

Atwood, *a* Gettys, *a* Minard, *a*
 Beatty, *a* Goodhue, *a* Parker, M.,
 De Graft, *a* Hale, *a* Speer, *a*
 Gale, *a* Hubbard, *a* Willis, *a* (12)

Section D.

Arnold, *a* McClintock, A., *a* Sperans, *a*
 Baird, *a* McClintock, S., *a* Stone, *a*
 Brandt, *a* Robertson, *a* Tanaka, *a*
 Coolidge, *a* Schnelle, *a* Weingarten, *a*
 Davis, Sherman, *a* Winston, *a* (15)

Section E.

Barrett, *a* Hosic, *a* Mollatt, *a*
 Brown, *a* Hulshart, *a* Pike, *a*
 Cook, *a* Hurlburt, *a* Pooley,
 Dodge, *g* Johnson, R., *a* Thomas, *a*
 Downing, *a* Johnson, V., *a* Todd, *a*
 Gardner, *a* Luttrell, *a* Walls, *a*
 Goldberg, *a* Maynard, *a* Wilson (23)
 Graves, *a* Messick, *a*

Section F.

Friedman, <i>a</i>	Sass, <i>a</i>	Williston, <i>a</i>	
Goss,	Stowell, <i>a</i>	Woods, <i>a</i>	
Holloway, <i>a</i>	Williams, J. W., <i>a</i>	Wright,	(10)
Mulhaeuser, <i>g</i>			

Writing and Delivery of Original Orations. Analysis
and Reading of Macbeth. M. (3)

MR. CLARK.		
Barnes, <i>a</i>	Karpen, <i>a</i>	de Swarte, <i>a</i>
Carraway, <i>a</i>	Odell, <i>a</i>	Taylor, <i>g</i>
Goss,	Parker, M.	Voight, <i>a</i>
Hosic, <i>a</i>		(10)

Oral Debates. DM. (4)

MESSRS. HILL, LOVETT, AND CLARK.

(See Department of Political Economy).

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

XXX. OLD TESTAMENT LITERATURE AND EXEGESIS.

Detailed statements of class lists, see above under No. VII.

XXXI. NEW TESTAMENT LITERATURE AND EXEGESIS.

Detailed statement of class lists, see above under Nos. VIII and XV.

XXXIII. SYSTEMATIC THEOLOGY.

D. 2-7.

(Students, 31; courses registered, 31).

Introduction and Theology Proper. DM. (1)

HEAD PROFESSOR NORTHRUP.

Aitchison,	Fletcher,	Morgan
Atchley,	Guard	Nichols.
Braker,	Hageman.	Nichols, Mrs.,
Chalmers,	Halbert,	Proctor,
Coon, D. I.,	Hazelton,	Randall.
Dickerson,	Howard, W. S.,	Varney,
Eaton,	Harley,	Watson.
Eddy,	Ingraham,	Wilkin,
Eubank,	Johnson,	Wright, (27)

Special Research.

HEAD PROFESSOR NORTHRUP.

Heyland,	Osborne,	Read. (4)
Irving,		

XXXIV. CHURCH HISTORY.

D. 2-7.

(Students, 66; courses registered, 72).

From Constantine to Theodosius. DM. (2)

HEAD PROFESSOR HULBERT.

Aitchison,	Frantz,	Johnson,
Allen, I. W.,	Georges.	Kinney,
Beyl,	Goodman,	Phillips,
Borden,	Grant,	Rocen,
Braker,	Halbert,	Steelman,
Bronson,	Hanson,	Tustin,
Cressey,	Herrick,	Varney, (23)
Fisk,	Howard, W. S.,	

The English Reformation and Puritanism. DM. (12)

HEAD PROFESSOR HULBERT.

Allen, C. W.,	Goodman,	Noftsinger,
Bixon,	Grarup,	Peterson,
Bowen,	Griffeth,	Rhodes,
Brandsmark,	Herrick,	Sanders,
Brownson,	Hicks,	Sanderson,
Cabeen,	Hole,	Shatto,
Case,	Horne,	Taylor,
Chapin,	Jones, H. F.,	Ward,
Coon,	Lake,	Wishart,
Criswell,	Larson,	Wood,
Davis, J. T.,	Lemon,	Wyant, (35)
Davis, U. S.,	Lockhart,	

Under the Stuarts, A.D. 1603-1688. DM. (28)

HEAD PROFESSOR HULBERT.

(Course not taken).

The German Reformation. DM. (11)

ASSISTANT PROFESSOR JOHNSON.

Andersen, H. M.,	Cressey,	Lindblad,
Bailey,	Frantz,	Nelson, S. A.,
Borsheim,	Grarup,	Phillips, D. F.,
Borden,	Hurley,	Sanderson, (14)
Coon,	Larson,	

The Lutheran Church. DM. (13)

ASSISTANT PROFESSOR JOHNSON.

(Course not taken).

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

(Students, 71; courses registered, 106).

Homiletics. DM. (2)

HEAD PROFESSOR ANDERSON.

Atchley,	Eddy,	Jones, H. F.,
Aitchison,	Frantz,	Kinney,
Beyl, J.,	Fletcher,	Morgan,
Bowen,	Grant,	Myhrman,
Bruce,	Guard,	Nichols, W. H.,
Braker,	Halbert,	Proctor,
Case, C. D.,	Hageman,	Randall,
Chalmers,	Hazelton,	Tustin,
Chapin,	Howard, W. S.,	Varney,
Coon, D. I.,	Innes, g	Watson,
Dickerson,	Ingraham,	Wilkin,
Eaton,	Johnson, Ph. M.,	Wright, (36)

Plans and Sermons. DM. (1)

HEAD PROFESSOR ANDERSON.

FIRST YEAR CLASS.

Atchley,	Fletcher,	Kinney,
Aitchison,	Grant,	Morgan,
Beyl,	Guard,	Myhrman,
Bowen,	Halbert,	Nichols, W. H.,
Bruce,	Hageman,	Proctor,
Braker,	Hazelton,	Randall,
Chalmers,	Howard, W. S.,	Tustin,
Chapin,	Innes, g	Varney,
Dickerson,	Ingraham,	Watson,
Eaton,	Johnson, Ph. M.,	Wilkin,
Eddy,	Jones, H. F.,	Wright, (33)

Plans and Sermons. DM. (1)

HEAD PROFESSOR ANDERSON.

SECOND YEAR CLASS.

Allen, I. W.,	Eakin,	Lockhart,
Bronson,	Fiske,	Rhodes,
Case, C. D.,	Goodman,	Wood, W. R.,
Chriswell,	Lemon,	Wyant, (13)
Davis, U. S.,		

Plans and Sermons. DM. (1)

HEAD PROFESSOR ANDERSON.

THIRD YEAR CLASS.

Bixon,	Horne,	Osborn,
Coon, D. B.,	Heyland,	Read,
Davies.	Howard, H.,	Shatto,
Davis, J. T.,	Lake,	Stevens,
Ford,	Noftsinger,	Ward,
Griffith,		

(16)

Plans and Sermons. DM. (1)

ASSISTANT PROFESSOR JOHNSON.

Bailey,	Cressey,	Phillips, D. T.,
Borden,	Franz,	Sanderson,
Coon, D. B.,	Hurley,	(8)

XV. BIBLICAL LITERATURE IN ENGLISH.

D. 10-12.

Courses in this department in the Graduate School and the Colleges, are open to students in the Divinity School.

THE ENGLISH THEOLOGICAL SCHOOL.

XXXIII. SYSTEMATIC THEOLOGY.

(Students, 45; courses registered, 83).

Theology as taught by Paul. DM. (12)

HEAD PROFESSOR NORTHRUP.

Allen, H. H.,	Dent,	Lockwood, Mrs.,
Berry,	Dewey,	Loughridge,
Bixon,	Dexter,	McDonald,
Blake,	Evans,	Mason,
Brandsmark,	Fradenberg,	Morgan,
Brewster,	Giblett,	Paul,
Broomfield,	Gill,	Schlamann,
Carroll,	Hoyt,	Smith, C. H.,
Case, F. A.,	Lockwood,	Smith, T. L.,
Davies,		

(28)

XXXIV. CHURCH HISTORY.

(Students, 11; courses registered, 11).

History of the Church from Theodosius to Charles the Great. M. 1st Term. (3)

HEAD PROFESSOR HULBERT.

Carrol,	Gill,	Speicher,
Case, F. A.,	Grablachoff,	Schlamann,
Dewey,	Grarup,	Wood, J. F.,
Fradenburg,	Loughridge,	(11)

Anthropology. M. 1st Term. (9)

ASSISTANT PROFESSOR SIMPSON.

Allen, H. H.,	Hale,	Paul,
Berry,	Hatch,	Smith,
Bixon,	Hoyt,	Summers,
Blake,	Lockwood,	Troyer,
Dent,	Lockwood, Mrs.	West,
Dexter,	Mason,	Witt,
Grablachoff,	Morgan,	

(20)

Ethics. DM. (13)

ASSISTANT PROFESSOR SIMPSON.

Allen, H. H.,	Grablachoff,	Rocen,
Berry,	Hatch,	Schlamann,
Broomfield,	Hoyt,	Smith,
Dent,	Johnson,	Speicher,
Dewey,	McDonald,	Thompson,
Dexter,	Mason,	Vreeland,
Fradenberg,	Morgan, Mrs.	West,
Gill,	Paul,	

(23)

Soteriology. M. 2d Term. (10)

ASSISTANT PROFESSOR SIMPSON.

Bixon,	Giblett,	Smith,
Broomfield,	Grablachoff,	Thompson,
Carrol,	Hale,	Vreeland,
Dewey,	Loughridge,	Wood, J. F.,

(12)

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

(Students, 27; courses registered, 27).

Homiletics. DM. (2)

HEAD PROFESSOR ANDERSON.

Blake,	Giblett,	Thompson,
Boynton,	Robinson,	Vreeland,
Broomfield,	Schlamann,	Wood, J. F.,
Case, F. A.,	Speicher,	(11)

Homiletics. M. 2d Term. (2)

ASSISTANT PROFESSOR JOHNSON.

Allen, H. H.,	Hatch,	Smith,
Berry,	Lockwood,	Summers,
Dent,	Lockwood, Mrs.	Troyer,
Dexter,	Mason,	West,
Fradenburg,	Paul,	Witt,
Hoyt,		

(16)

THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

XL. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS.

(Students, 7; courses registered, 12).

The Epistle to the Romans. DM. (7)

ASSISTANT PROFESSOR GUNDERSON.

Andersen, H. M.,	Hansen,	Overgaard,	
Andersen, H. P.,	Nielsen,	Rasmussen,	(7)
Borsheim,			

The Parables of Our Lord. DM. (5)

ASSISTANT PROFESSOR GUNDERSON.

Andersen, H. P.,	Nielsen,	Rasmussen,	(5)
Hansen,	Overgaard,		

XLI. SYSTEMATIC THEOLOGY.

(Students, 8; courses registered, 16).

Redemption Proper. M. 1st Term. (3)

MR. T. O. WOLD.

Andersen, H. M.,	Hansen,	Overgaard,	
Andersen, H. P.,	Johnson,	Rasmussen,	(8)
Borsheim	Nielsen.		

Consequence of Redemption. M. 2d Term. (4)

MR. T. O. WOLD.

Andersen, H. M.,	Hansen,	Overgaard,	
Andersen, H. P.,	Johnson,	Rasmussen,	(8)
Borsheim,	Nielsen,		

THE SWEDISH THEOLOGICAL SEMINARY.

XLVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES.

(Students, 11; courses registered, 24).

The Bible a Revelation from God. M. 1st Term. (3)

PROFESSOR LAGERGREN.

Carlson, J. A.,	Johnson,	Olson,	
Carlson, S. G.,	Nelson, S. A.,	Sandell,	(8)
Clint,	Nylin,		

The Doctrine of God. M. 2d Term. (4)

PROFESSOR LAGERGREN.

Carlson, J. A.,	Johnson,	Olson,	
Carlson, S. G.,	Nelson, S. A.,	Sandell,	(8)
Clint,	Nylin,		

The Last Things. M. 1st Term. (8)

PROFESSOR LAGERGREN.

Lawrence,	Nelson, S. A.,	Nilson, C. A.,	(4)
Lindblad,			

Symbolics. M. 2d Term. (9)

PROFESSOR LAGERGREN.

Lawrence,	Nelson, S. A.,	Nelson, C. A.,	(4)
Lindblad,			

XLVII. CHURCH HISTORY.

(Students, 13; courses registered, 26).

Ancient Church History. M. 1st Term. (1)

ASSISTANT PROFESSOR SANDELL.

Berglund,	Lawrence,	Nilson, C. A.,	
Carlson, J. A.,	Lindblad,	Nylin,	
Carlson, S. G.,	Nelson, Sven A.,	Olson,	
Clint,	Nelson, Swaney A.,	Sandell,	(13)
Johnson,			

Mediæval Church History. M. 2d Term. (2)

ASSISTANT PROFESSOR SANDELL.

Berglund,	Lawrence,	Nelson, C. A.,	
Carlson, J. A.,	Lindblad,	Nylin,	
Carlson, S. G.,	Nelson, Sven A.,	Olson,	
Clint,	Nelson, Swaney A.,	Sandell,	(13)
Johnson,			

XLVIII. HOMILETICS.

(Students, 9; courses registered, 18).

Theoretical Homiletics. M. 1st Term. (1)

ASSISTANT PROFESSOR SANDELL.

Berglund,	Clint,	Nylin,	
Carlson, J. A.,	Johnson,	Olson,	
Carlson, S. A.,	Nelson, Swaney A.,	Sandell,	(9)

Practical Homiletics. M. 2d Term. (2)

ASSISTANT PROFESSOR SANDELL.

Berglund,	Clint,	Nylin,	
Carlson, J. A.,	Johnson,	Olson,	
Carlson, S. C.,	Nelson, Swaney A.,	Sandell,	(9)

THE QUARTERLY REPORT

CONCERNING

THE SEVERAL DIVISIONS OF THE UNIVERSITY.
(Autumn Quarter, 1893.)

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

1. LIST OF DEPARTMENTS, INSTRUCTORS, AND COURSES.

[The numerals indicate the work of each Instructor reckoned in Double Minors, as open to students in the several divisions.]

Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total
Philosophy.	Strong.	2	1	..	..	2
	Tufts.	3	1	..	1	3
	Monin.	1	..	..	..	1
	Mezes.	1	..	..	..	1
Apologetics.	Robinson.	2	2	..	2	2
Political Economy. ¹	Laughlin.	2	1	..	..	2
	Miller, A. C.	2	2	1	..	2
	Hill.	2	2	1	..	2
	Veblen.	..	..	..	..	..
	Hourwich.	1	1	..	..	1
Political Science.	Judson.	2	2	..	..	2
	Lawrence.	1	1	..	..	1
	Conger.	..	..	..	..	..
	Wilcox.	1	1	..	..	1
History.	von Holst.	2	2	..	..	2
	Terry.	2	1	..	..	2
	Goodspeed.	1	1	..	..	1
	Thatcher.	..	..	1	..	1
	Schwill.	1	1	2	..	2
	Shepardson.	1	1	..	..	1
Social Science and Anthropology.	Small.	3	..	..	1	3
	Henderson.	2	1	..	1	2
	Talbot.	1	1	..	..	1
	Starr.	2	2	..	1	2
Comparative Religion.	West.	..	..	..	..	..
	Goodspeed.	1	1	..	1	1
Semitics. ²	Harper, W. R.	3	3	..	3	3
	Hirsch.	1½	1½	..	1½	1½
	Price.	1	1	..	1	1
	Goodspeed.	(See History)	..	..	..	..
	Crandall.	1	1	..	1	1
	Kent.	1	1	..	1	1
Bibl. & Patr. Greek	Burton.	2	2	..	2	2
	Arnolt.	1	1	..	1	1
	Votaw.	½	½	..	½	½
Sanskrit.	Buck.	2	..	..	..	2
Greek. ³	Shorey.	3	2	2	..	3
	Tarbell.	1	3	2	..	3
	Castle.	..	..	2	..	2
Latin.	Hale, W. G.	2	2	..	..	2
	Chandler.	2	2	..	..	2
	Abbott.	2	..	..	..	2
	Miller, F. J.	..	..	2½	..	2½
	Emery.	..	..	2	..	2
	Walker, A. T.	..	..	1	..	1
Romance	Knapp.	2	..	..	..	2
	Bergeron.	3	3	..	..	3
	Kinne.	..	..	2	..	2
	Cutler.	2	2	..	..	2
	Wallace.	1	1	1	..	1

Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total
German.	Cutting.	2	1	2	..	3
	Schmidt-Wartenberg.	2	..	1	..	3
	von Klenze.	3	2	2	..	3
	Mulfinger.	..	..	2	..	2
	Wilkinson.	2	2	..	..	2
English. ⁵	Blackburn.	3	2	..	..	3
	Crow.	1	1	..	..	1
	McClintock.	2	1	..	..	2
	Tolman.	..	..	2	..	2
	Herrick.	1	1	1	..	2
	Lovett.	..	..	2	..	2
	Legwis.	..	..	1	..	1
	Triggs.	1	1	..	..	1
	Bib. Lit. in English.	Votaw.	1	..	1
Kent.		..	..	1	..	1
Mathematics. ⁶	(See also Divinity School, Eng. Theo. Sem.)	..	..	..	..	..
	Moore.	1	..	1	..	2
	Bolza.	2	1	..	..	2
	Maschke.	2	2	..	..	2
	Young.	1	1	1	..	2
	Boyd.	..	..	3	..	3
Astronomy. ⁷	See.	2	2	..	..	2
	Laves.	1	1	..	..	1
Physics.	Michelson.	2½	2½	..	..	2½
	Stratton.	1½	1½	..	..	1½
	Hobbs.	..	..	1	..	1
Chemistry.	Nef.	4	2	..	..	4
	Stokes.	3	1	1	..	3
	Schneider.	2½	2½	..	..	2½
	Lengfeld.	2½	..	..	..	2½
	Stieglitz.	½	..	..	..	½
	Ikuta.	..	..	..	..	..
Geology and Mineralogy. ⁸	Chamberlin.	1½	½	..	..	1½
	Salisbury.	1	1	1	..	2
	Iddings.	3(2)	3(2)	..	..	3(2)
Zoölogy and Palæontology. ⁹	Whitman.	3	..	..	..	3
	Baur.	2½	½	½	..	2½
	Jordan.	..	..	1	..	1
	Watase.	Lectures.	2	2	..	..	2
Anatomy.	Eycleshymer	1	1	..	..	1
Physiology.	Loeb.	4	2	..	..	4
	Lingle.	..	..	..	..	..
Neurology.	Donaldson.	2	1	..	..	2
Elocution.	Clark.	..	..	½*	..	½*

*Mr. Clark taught, besides, 6 sections, for which credit is given.

ON LEAVE OF ABSENCE.

1. Mr. Caldwell. 2. Associate Professor Harper. 3. Assistant Professor Capps. 4. Mr. Howland. 5. Professor Moulton. 6. Mr. Hancock. 7. Associate Professor Hale. 8. Professors Burgess and Van Hise. 9. Mr. Wheeler.

2. DEPARTMENTS, WITH NUMBER OF COURSES AND STUDENTS.

Department.	Graduate School.			Univ. Colleges.		Acad. Colleges.		Unclassified Students.	Divinity Students.	Total.		
	DM.	Students.		DM.	Students.	DM.	Students.			DM.	Students.	
		Primary Work.	Second'y Work.									
Philosophy, A and B	9	5	15	4	17	...	...	*9	5	3	9	54
Political Economy	7	18	10	6	11	2	30	1	10	..	7	80
Political Science	4	8	16	4	7	...	...	9	2	..	4	42
History	7	21	20	6	20	2	44	8	22	..	9	135
Soc. Science and Athropology.	8	20	6	4	8	...	...	..	..	22	8	56
Comparative Religion	1	1	1	1	1	...	...	..	..	6	1	9
Semitic Languages.....	7½	15	..	7½	..	...	...	2	1	13	7½	31
Biblical and Patristic Greek..	3½	3	1	3½	1	...	...	1	..	30	3½	36
Sanskrit and Indo-Europ. Phil.	2	6	5	..	..	...	...	..	..	1	2	12
Greek	4	6	18	5	4	6	32	1	1	..	8	62
Latin	6	20	10	4	3	5½	85	2	5	..	11½	125
Romance.....	8	9	5	6	5	3	28	16	10	..	10	73
Germanic.....	7	8	3	3	8	7	48	4	18	..	11	89
English	10	21	13	8	22	6	101	2	42	..	16	201
Biblical Literature in English.	...	..	..	...	..	2	4	..	1	47†	2	52
Mathematics.....	6	17	4	4	3	5	70	3	6	..	11	103
Astronomy	3	2	5	3	4	...	..	1	..	..	3	12
Physics	4	2	15	4	1	1	1	1	3	..	5	23
Chemistry	12½	14	1	5½	7	1	10	..	12	..	12½	44
Geology and Minerology.....	5½	10	4	4½	4	1	32	1	5	..	6½	56
Zoölogy and Palæontology....	7½	16	7	2½	6	1½	6	..	4	..	8½	41
Anatomy	1	..	2	1	2	...	..	2	1	..	1	7
Physiology	4	3	4	2	..	...	..	..	2	..	4	9
Neurology.....	2	..	5	1	..	...	..	..	1	..	2	6
Elocution.....	...	..	3	...	1	½	72	..	6	..	½	82

* This column registers Academic students taking University College Courses.

† This number includes 40 students attending the courses in the English Theological Seminary.

THE FACULTY OF THE DIVINITY SCHOOL.

1. LIST OF DEPARTMENTS, INSTRUCTORS, AND COURSES.

Department.	Instructor.	Courses.
THE GRADUATE DIVINITY SCHOOL.		
Old Testament Literature and Exegesis.*	Harper, W. R.	3
	Hirsch.	1½
	Price.	1
	Goodspeed.	1
	Crandall.	1
	Kent.	1
New Testament Literature and Exegesis.	Burton.	2
	Arnolt.	1
	Votaw.	½
Biblical Theology.	Burton.	1
Church History.	Hulbert.	2
	Johnson.	2
Systematic Theology.	Northrup.	2
	Simpson.	..
Homiletics, Church Polity, and Pastoral Duties.	Anderson.	2

Department.	Instructor.	Courses.
THE ENGLISH THEOLOGICAL SEMINARY.		
Old Testament Literature and Exegesis.	Price. Kent (see Sem. Lang.)	1
Church History.	Hulbert.	1
Systematic Theology.	Simpson.	2
DANISH-NORWEGIAN THEOLOGICAL SEMINARY.		
Old and New Test. Lit. and Exegesis.	Gunderson.	2
Homiletics and Pastoral Duties.†	Wold.	1
THE SWEDISH THEOLOGICAL SEMINARY.		
New Test. Lit. and Exegesis.	Morten.	2
System. Theology and Pastoral Duties.	Lagergren.	2

* Associate Professor R. F. Harper on leave of absence.

† Professor Jensen on leave of absence.

2. DEPARTMENTS, WITH NUMBER OF COURSES AND STUDENTS.

Departments.	Graduate Divinity School.		English Theological Seminary.		Danish-Norwegian Theological Seminary.		Swedish Theological Seminary.	
	DM.	Students.	DM.	Students.	DM.	Students.	DM.	Students.
Old Test. Lit. and Exegesis	8½	15	1	40	}	2	7	..
New Test. Lit. and Exegesis	3½	55	..	..		..	..	2
Biblical Theology	1	10	..	..	..	..	..	12
Church History	3	84	1	19	..	..	..	..
Systematic Theology	2	49	2	43	..	..	1½	12
Homiletics, Church Polity, and Pastoral Duties	2	126	..	..	1	7	½	4

COMPARATIVE REGISTRATION OF AUTUMN AND WINTER QUARTERS.

	Registration of Autumn Quarter.			Discontinuing at Beg. of Win. Quarter.		Receiving Degrees or Certifi. Jan. 2, 1894.		Entering at Beg. of Winter Quarter.		Registration of Winter Quarter.		
	Men.	Wom.	Total.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Total.
Graduate School	149	65	214	14	6	2	1	52	13	187	72	259
Non-Res. Grad. Students	16	2	18	2	1	..	..	8	4	22	5	27
University Colleges	35	10	45	4	..	3	..	5	4	32	14	46
Academic Colleges	138	88	226	12	11	..	2	16	21	149	101	250
Unclassified	35	53	88	7	8	..	1	6	12	37	59	96
Grad. Div. School	94	2	96	8	1	2	..	13	..	101	1	102
Engl. Theol. Sem	44	2	46	3	..	..	..	2	..	43	2	45
Dan-Norw. Theol. Sem	7	..	7	..	..	..	..	1	..	8	..	8
Swedish Theol. Sem	12	..	12	..	..	..	..	1	..	13	..	13

Total attendance, Autumn Quarter, 1893 : 752.

Registration for Winter Quarter, 1894 : 846.

INSTITUTIONS FROM WHICH STUDENTS HAVE COME

WITH NUMBER IN EACH CASE.

1. GRADUATE SCHOOL, UNIVERSITY COLLEGES, AND DIVINITY SCHOOL.

	Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.
Acadia University	1	..	3	Hamilton College	1	..	..	Oberlin College	6	..	2
Adrian College	1	..	..	Hanover College	1	..	..	Oberlin Seminary .....	..	..	1
Albion College	3	..	..	Harvard University	9	..	..	Ohio Institute for Blind .....	..	..	2
Alfred University	1	..	1	Harford College .....	..	..	1	Ohio Normal University .....	..	..	1
Alleghany College .....	..	1	..	Haverdurg College	1	..	..	Ohio State University	1	..	..
Amherst College .....	..	..	1	Heidelberg College	1	..	..	Ohio Wesleyan University	1	..	..
				Hillsdale College	1	..	1	Omaha, University of .....	..	..	1
				Hope College	1	1	..	Oroomiah College (Persia) .....	..	..	1
Baldwin University	1	..	..					Oskaloosa College .....	..	..	1
Bates College	1	..	1					Ottawa University	1	..	7
Beloit College	4	2	..	Illinois College .....	..	1	..	Otterbein University	1	..	..
Beloit Academy .....	..	..	1	Illinois Normal University	1	..	..	Oxford University	1	..	..
Berea College	1	..	..	Illinois, University of	1	..	..		
Berlin, University of	1	..	..	Indiana State Normal School .....	..	..	2	Pennsylvania College .....	..	1	..
Borden Institute .....	..	..	1	Indiana, University of	3	..	..	Pennsylvania, University of	2	..	1
Bowdoin College	3	..	..	India, Military School of .....	..	..	1	Pillsbury Academy .....	..	..	2
Brethren Normal College .....	..	..	1	Ingham College .....	..	2	..	Plattsburg High School .....	..	1	..
Brown University	3	..	3	Iowa College	2	..	..	Pomona College .....	..	1	..
Bryn Mawr College	1	..	..	Iowa, State University of	1	..	3	Princeton College	1	..	3
Bucknell University	2	3	6								
Butler University .....	..	1	..	Jacksonville High School .....	..	..	1				
				Johns Hopkins University	1	..	..	Ref. Episc. Theol. Sem. (Phil- adelphia, Pa.) .....	..	1	..
California College .....	..	..	4					Ripon College .....	..	..	1
California, University of	4	..	1	Kansas Normal College .....	..	..	2	Rochester, University of	2	2	3
Cambridge University	2	..	..	Kansas, University of	1	..	..	Rutgers College	1	..	..
Carleton College	1	..	..	Kentucky Bible College .....	..	..	1				
Cedar Valley Seminary .....	..	..	2	Kentucky Coll. of Liberal Arts .....	..	..	1	Sioux Falls University .....	..	1	..
Central College	1	..	..	Keogijiku College	1	..	..	Smith College	5	1	..
Central Wesleyan College	1	..	..	Knox College	3	..	..	Stockholm Bapt. Theol. Sem. (Sweden) .....	..	..	1
Chicago Bible Institute .....	..	..	2					Syracuse University	1	..	..
Chicago, Old University of	1	..	..	Lake Forest University	1	..	..		
Chicago, University of	7	..	..	Lawrence University	2	..	..	Tennessee, University of	1	..	..
Cincinnati, University of .....	..	1	..	La Grange College .....	..	..	2	Toronto, University of	3	..	..
Clinton College	1	..	..	Lenox College	1	..	..	Trinity College .....	..	..	1
Colby University	5	..	1	Lombard University	1	..	..	Trinity University	1	..	..
Colgate College .....	..	..	1								
Colgate University	2	..	7	MacMaster Univ. (Toronto) .....	..	..	2	Union Christian College	1	..	..
Colorado, University of .....	..	..	1	Manitoba, University of .....	..	..	1	Union Theol. Seminary .....	..	..	1
Columbia College	1	..	..	Marion Simms Coll. of Med. .....	..	..	1	Upper Iowa University .....	..	1	..
Columbia University	1	..	..	Massachusetts Agricul. Coll. .....	..	..	2				
Concordia College .....	..	1	..	Mt. Allison College	1	..	..		
Cook Academy (Havana, N.Y.) .....	..	2	..	Michigan Man. Train. School .....	..	..	2				
Cornell College	3	..	1	Michigan State Nor. School .....	..	..	2	Vassar College	4	1	..
Cornell University	2	..	..	Michigan, University of	11	6	3	Vienna, University of	1	..	..
Crozer Theol. Seminary .....	..	..	2	Middlebury College	1	..	..		
				Milton College	1	..	1				
Dalhousie College	2	..	1	Minnesota, University of	4	1	..	Wake Forest College	3	..	..
Dartmouth College	1	..	..	Mississippi, Industrial Insti- tute and College of	1	..	..	Wellesley College	8	1	..
Daughters College	1	..	..	Missouri, University of	2	1	..	Wesleyan University	1	..	..
Denison University	6	..	9	Moody's Bible Institute .....	..	..	..	Western College (Toledo, Ia.)	2	..	1
De Panw University	3	..	..	Morgan Park Danish Acad. .....	..	..	13	Western Maryland College	2	..	..
Des Moines College	1	..	2	Morgan Park Swedish Acad. .....	..	..	38	Western Reserve University	1	1	..
Doane College	1	..	..	Morgan Park Theol. Sem. ....	..	..	..	West Virginia, University of	1	..	1
Drake University	1	..	1	Mt. Allison College	1	..	..	Wheaton College .....	..	..	1
Drake Divinity School .....	..	..	1	Mt. Holyoke College .....	..	1	..	William Jewell College	1	..	2
Drury College .....	..	..	1	Mt. St. Mary's College	1	..	..	Williams College .....	..	1	1
								Wilmington College	1	..	..
Earlham College	4	..	..					Wisconsin, University of	4	1	..
East London Institute .....	..	..	3	Nashville, University of	2	..	..	Woodstock College (Ontario) .....	..	..	3
Emporia College .....	..	5	..	Nebraska City College .....	..	..	..	Wooster, University of .....	..	1	..
Eureka College	1	..	..	Nebraska, University of	1	..	..		
				Newton Theol. Seminary .....	..	..	1	Yale University	2	1	1
France, University of	1	..	..	New York, Univ. of the City of	3	..	1				
Franklin College .....	..	7	..	North Dakota, University of .....	..	1	1				
Furman University	1	..	1	Northern Indiana Nor. Sch'l. ....	..	1	..	Zenoville (Iowa) Priv. Sch'l. ....	..	..	1
				Northwestern University	10	4	..				
Georgetown College (D.C.) .....	..	..	2								

2. ACADEMIC COLLEGES AND UNCLASSIFIED STUDENTS.

	Academic Colleges.	Unclass. Students.		Academic Colleges.	Unclass. Students.		Academic Colleges.	Unclass. Students.
Adelbert College.....	1	..	Harvard School.....	5	..	Oakland High School.....	1	..
Albion School.....	1	..	Hedding College.....	1	..	Oberlin College.....	1	..
Allen's Academy.....	1	..	Henderson High School.....	1	..	Ohio Wesleyan College.....	1	..
Arthur Home, Chicago.....	1	1	Herrig (Miss) School.....	1	1	Omaha (Iowa) High School.....	1	1
Angustana College.....	1	..	Hiram College.....	1	1	Oneida High School.....	1	..
Aurora School.....	1	..	Hope College.....	1	..	Oshkosh High School.....	1	..
			Howard University.....	1	..	Oswego High School.....	1	..
			Hyde Park High School.....	9	..	Oswego Normal & Training Sch..	1	..
Baltimore Female High School....	1	..				Ottawa University.....	1	..
Bangor (Maine) Theological Sem..	1	..						
Beloit College.....	1	..	Illinois College.....	1	..	Packer Institute (Brooklyn, N.Y.)	1	..
Beloit College, Preparatory.....	1	..	Illinois State Normal School.....	2	1	Peddie Institute, N. J.....	1	..
Brockport (N. Y.) State Nor. Sch..	1	1	Illinois, University of.....	2	1	Pa. State Normal School.....	1	..
Buchtel College.....	1	..	Illinois Wesleyan University.....	1	1	Peoria High School.....	1	..
Buffalo Normal School.....	1	..	Indiana, University of.....	1	1	Phillips Academy (Andover).....	2	..
Burr & Barton Seminary.....	1	..	Iowa State Normal School.....	1	..	Phillips Exeter Academy.....	1	..
Butler University.....	1	..	Iowa, University of.....	1	..	Plainfield High School.....	1	..
						Plano High School.....	1	..
California College.....	1	..	Jamestown High School.....	1	..	Pontiac High School.....	2	..
Canton, Miss.....	1	..	Jennings Seminary.....	1	..	Private Instruction.....	1	..
Carleton College.....	2	..						
Cedar Rapids (Iowa) High School..	1	..	Kalamazoo College.....	2	..	Racine Academy.....	1	..
Cedar Valley Seminary.....	1	..	Kentucky University.....	2	..	Rochester, University of.....	2	..
Chautauqua Coll. of Lib. Arts.....	2	..	Kenyon Military Academy.....	1	..	Rockford Seminary.....	1	..
Chicago Academy.....	4	..	Kimball Union Academy.....	1	1			
Chicago College of Pharmacy.....	1	..	Kirkland School, Chicago.....	1	1	St. Catherine's Hall.....	1	..
Chicago High School West Div.....	9	..				St. Louis High School.....	1	..
Chicago High School North Div.....	5	..	Lake Erie Seminary.....	1	..	Saratoga High School.....	1	..
Chicago High School South Div.....	11	1	Lake Forest Academy.....	1	..	Sauk Centre High School.....	1	..
Chicago Institute of Technology....	1	..	Lake Forest University.....	1	..	Smith College.....	3	1
Chicago Manual Training School....	1	..	Landshtut (Germany).....	1	..	South Dakota, University of....	1	..
Chicago South Side School.....	2	..	Real Gymnasium.....	1	..	South Kansas Academy.....	1	..
Christian University.....	1	..	Leroy Union School.....	1	..	Spelman Seminary.....	1	..
Coe College.....	1	..	Lupton (Miss) School.....	1	..	Stillport Girls' Seminary.....	1	..
Colby University.....	1	..	Lyons High School.....	1	..	Syracuse University.....	1	..
Colorado College.....	1	..						
Columbian College.....	1	..	Meriden High School.....	1	..	Taganrog Gymnasium (Russia)...	1	..
Cook Academy.....	1	..	Michigan, University of.....	7	4	Tillston Institute (Austin).....	1	..
Cook County Normal School.....	2	..	Millersburg Female Seminary.....	1	..	Temple College (Philadelphia)...	2	..
Cornell College.....	2	..	Missouri State Normal School....	1	..			
Cornell University.....	2	..	Monmouth College.....	1	1	University School (Chicago).....	1	..
			Morgan Park Academy.....	11	2			
Decatur High School.....	1	..	Morgantown High School.....	1	1	Vassar College.....	1	2
Dnary College.....	1	1	Mt. Vernon School.....	1	1			
			(Northfield Mass.).....	1	1	Washburn College.....	1	..
Elgin High School.....	1	1	Mt. Holyoke College.....	2	..	(Topeka, Kansas).....	1	..
Emporia (Kansas), College of....	2	..	Mt. Holyoke Seminary.....	1	..	Wayland Academy.....	1	1
Englewood High School.....	5	1	Mt. Morris College.....	1	..	Wellesley College.....	5	1
Evansville Classical School.....	1	..	Mt. Vernon Seminary.....	1	..	Wells College.....	1	..
Evanston High School.....	1	..	(Washington, D. C.).....	1	..	Western Normal College.....	1	1
						Woodstock College.....	1	..
Ferry Hall (Lake Forest).....	2	..	Nebraska State Normal School....	1	..	Williamette University.....	1	..
Fargo College.....	1	..	New York, College of the City of..	2	..	Williams College.....	2	..
			New York State Normal School....	1	..	Williamsport High School.....	1	..
Geneseo Collegiate Institute.....	1	..	Northern Illinois College.....	1	..	Wisconsin, University of.....	3	..
Girl's Classical Sch., Indianapolis	1	..	Northwestern University.....	5	2	Worcester Academy.....	1	..
Grass Lake High School (Mich)....	1	1	Norwich Normal School.....	1	..	Worcester University.....	1	..
			Notre Dame, University of.....	1	..			
Hannibal High School.....	1	..						

STATES AND COUNTRIES
FROM WHICH THE STUDENTS HAVE COME.

States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.	States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.
Alabama	1	..	..	..	..	1	South Carolina	12	..	..	..	1	3
Arkansas	2	..	..	1	..	3	South Dakota	1	1	2	1	1	6
California	2	2	..	3	2	9	Tennessee	12	..	2	..	..	4
Colorado	1	..	2	..	1	4	Texas	12	..	..	1	..	3
Connecticut .....	..	1	1	1	1	4	Vermont	1	..	..	1	1	3
Florida .....	..	..	1	..	..	1	Virginia .....	..	..	..	..	1	1
Illinois	67	19	156	49	41	332	Washington .....	..	..	..	1	1	2
Indiana	10	..	5	..	7	22	West Virginia	12	..	..	..	1	3
Iowa	9	3	6	2	11	31	Wisconsin	8	3	7	1	1	20
Kansas	3	2	4	1	6	16	District of Columbia ..	1	..	..	1	..	1
Kentucky	2	..	3	..	..	5							
Maine	6	..	1	..	2	9							
Maryland	2	..	..	..	..	2							
Massachusetts	8	..	1	3	5	17							
Michigan	7	1	2	2	2	14							
Minnesota	6	..	5	..	8	19							
Missouri	6	2	3	3	7	21							
Montana .....	..	..	1	..	..	1							
Nebraska	6	..	2	2	4	14							
New Jersey	3	..	2	1	1	7							
New Mexico .....	..	..	1	..	..	1							
New York	13	5	10	8	10	46							
North Carolina	5	..	..	..	1	6							
North Dakota	2	..	..	..	1	3							
Ohio	14	4	4	1	7	30							
Oregon	1	..	1	..	..	2							
Pennsylvania	8	2	2	5	6	23							
Rhode Island .....	..	1	..	..	1	2							

Countries.													
Austria	1	..	..	..	..	1							
Canada	5	..	1	..	15	21							
Denmark .....	..	..	..	..	2	2							
England	3	..	..	..	2	5							
Germany .....	..	..	1	..	..	1							
Hungary .....	..	..	..	..	1	1							
Japan	1	..	1	..	..	2							
Mexico .....	..	..	..	..	1	1							
Norway .....	..	..	..	..	6	6							
Persia .....	..	..	..	..	1	1							
Rumania .....	..	..	..	..	2	2							
Russia .....	..	..	1	..	..	1							
Sweden .....	..	..	..	..	1	1							
Trinidad, B. W. I.	1	..	..	..	..	1							
Total	214	45	226	88	161	734							

ADDITIONAL REMARKS.

THE GRADUATE SCHOOL.

The Fellowships of the Graduate School were distributed as follows:

Senior Fellowships	-	-	-	-	-	17
Junior Fellowships	-	-	-	-	-	24
Honorary Fellowships	-	-	-	-	-	29
Special Fellowships	-	-	-	-	-	8
Persons holding Fellowship the first year	-	-	-	-	-	50

Persons holding Fellowship the second year - 28

Residents of Southern States	-	-	-	-	2
Residents of Eastern States	-	-	-	-	6
Residents of Middle States	-	-	-	-	14
Residents of Western States	-	-	-	-	26
Residents of Foreign Countries	-	-	-	-	4

THE COLLEGES.

Of the 226 students in the Academic Colleges, 106 were in the College of Arts, 86 in the College of Literature, 34 in the College of Science.

Of the 45 students in the University Colleges, 25 were in the College of Arts, 10 in the College of Literature, 8 in the College of Science.

Of the 226 students in the Academic Colleges, 84 were residents of the University Houses.

Of the 45 students in the University Colleges, 21 were residents of University Houses.

149 students presented themselves at the entrance examinations held in December. Of these, 74 presented themselves at the University, 49 at the Morgan Park Academy, 26 at the Chicago Academy. Of these, 16 were admitted to the Academic Colleges.

The total number of absences recorded in the Academic Colleges for the Quarter, was 2,693, being an average of 9.7 absences to each student in attendance.

THE UNCLASSIFIED STUDENTS.

Number of Academic College courses taken by Unclassified Students, 23; number of University College courses, 31; number of Graduate School courses, 4.

Course registrations of Unclassified Students in the Academic Colleges, 127; in the University Colleges, 82; in the Graduate School, 4. Total, 213.

Of the 88 Unclassified students, 42 (12 men and 30 women) registered 75 courses in the English Department, 26 (12 men and 14 women) registered 32 courses in the History Department, 17 (10 men and 7 women) registered 21 courses in the German Department.

Thus out of 213 courses registered by Unclassified Students in the whole University, 128 fall to these three departments.

General purpose of Unclassified Students. About 30 per cent. are working into regular standing in the University; 50 per cent. are studying for advancement in teaching and in semi-professional employments. The remainder are studying for a general education.

The Unclassified Students have, in a majority of cases, come from other institutions. They represent: 21 colleges and universities; 11 academies and seminaries; 14 high schools; 10 normal schools; 3 institutions of Technology, and only 5 received private instruction previous to their entering the University. In all 64 institutions are represented.

DEPARTMENT OF PHYSICAL CULTURE.

THE GYMNASIUM.

MEN'S DEPARTMENT.

Five classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate School, 15; University Colleges, 17; Academic Colleges, 130; Divinity School, 13. Graduate and Divinity Students working independently, 18; number playing foot-ball daily, 21; number practicing track athletics, 23. Total, 237.

WOMEN'S DEPARTMENT.

Four classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate School, 2; University Colleges, 6; Academic Colleges, 77; Special, 20. Total, 105.

Number of women examined and measured (first measures), 59; number of women examined and measured (second and third measures), 31. Total, 90.

ATHLETICS.

The athletic work of the University has been under the direction of the Department of Physical Culture. Thus far it is organized under the heads: foot-ball, base-ball, track athletics, tennis, and basket ball. During the Autumn quarter of 1893 the athletic work has been largely centered upon foot-ball, track athletics, and tennis.

FOOT-BALL.

The record of the University eleven of 1893 is as follows:

Oct. 14.	University vs. Lake Forest University	-	-	0-10
Oct. 18.	University vs. Northwestern University	-	-	12-6
Oct. 21.	University vs. University of Michigan	-	-	10-6
Oct. 24.	University vs. Purdue University	-	-	10-20
Oct. 28.	University vs. University of Cincinnati	-	-	28-0
Nov. 4.	University vs. Oberlin College	-	-	12-33
Nov. 8.	University vs. Northwestern University	-	-	6-6
Nov. 12.	University vs. Armour Institute	-	-	18-6
Nov. 18.	University vs. Lake Forest University	-	-	14-14
Nov. 30.	University vs. University of Michigan	-	-	10-28
Dec. 16.	University vs. Northwestern University	-	-	20-14
Jan. 1, 1894.	University vs. Notre Dame University	-	-	8-0

The last two games were played in Tattersall's building.

TRACK ATHLETICS.

Considerable interest was aroused among those who elected to take this way of exercising. Several contests took place, one being a public exhibition.

TENNIS.

Four tennis courts were made on the campus by the University authorities. These were in great demand. A Tennis Association has been formed, and now has charge of the tennis interests of the students.

The Official and Semi-Official Organizations.

THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

AUTUMN MEETING, DECEMBER 8, 1893.
Theatre, Kent Chemical Laboratory.

PAPERS:

Causes and Effects of Monasticism.

ALFRED WESLEY WISHART.

(Church History Club).

Matter and its States (illustrated).

ROBERT WILLIAM WOOD.

(Chemistry Club.)

Money and Prices since 1865.

SARAH M. HARDY.

(Political Economy Club).

THE PHILOLOGICAL SOCIETY

Organized January 15, 1893, held two meetings on October 27, and December 1, at 8 P.M., Room B 8, Cobb Lecture Hall. The following papers were read:

The Burlesque Ballad in Germany in the XVIII Century.

DR. CAMILLO VON KLENZE.

"Extended" and "Remote" Deliberatives in Greek.

HEAD PROFESSOR WILLIAM G. HALE.

(To be published in the XXIV volume of the Transactions of the American Philological Association).

Initial Group Consonant + l in the Romance Languages.

RENÉ DE POYEN-BELLISLE.

THE DEPARTMENTAL CLUBS.

OCTOBER-DECEMBER.

Papers presented before

THE BIOLOGICAL CLUB.

Facts and Principles in Physiological Morphology. (The Formation of Double Embryos).

ASSISTANT PROFESSOR JACQUES LOEB. Nov. 8.

The Derivation of the Epiphysis and the Parietal Eye.

WM. A. LOCY. Nov. 22.

The Evolution of the Limbs of Vertebrates.

ASSISTANT PROFESSOR G. BAUR. Dec. 20.

THE CHEMICAL CLUB.

Membership is limited to those taking part in Chemical Journal Meetings. Two papers, either on recent chemical researches or on older classical work, have been presented regularly every week during the Autumn Quarter, on Fridays from 8:00 to 10:00 P.M. The titles of papers have been regularly announced in the WEEKLY BULLETIN. The results of original investigations carried on in the Kent Chemical Laboratory are not presented at these meetings, but appear regularly in the chemical journals here and abroad.

THE CHURCH HISTORY CLUB.

Principles in Baptist History.

O. P. GIFFORD, D.D. Nov. 24.

A Study of Comparative Religion.

HEAD PROFESSOR ERI B. HULBERT. Dec. 5.

THE CLASSICAL CLUB.

Lord Elgin in Greece.

ASSOCIATE PROFESSOR FRANK B. TARBELL. Nov. 3.

Review of "Dichl's Excursions in Greece."

CLARA MILLERD. Nov. 24.

An Impressionist's Version of the Frogs of Aristophanes.

PROFESSOR PAUL SHOREY. Dec. 15.

THE ENGLISH CLUB.

Literature and the Mission of the Scientific Spirit.

OSCAR L. TRIGGS. Oct. 23.

English Surnames.

ASSISTANT PROFESSOR A. H. TOLMAN. Nov. 27.

The Christian Coloring in the Beowulf.

ASSISTANT PROFESSOR F. A. BLACKBURN. Dec. 13.

THE EXEGETICAL CLUB.

Hindu Sacrifices.

H. HOWARD. Nov. 27.

THE GEOLOGICAL CLUB.

Review of Work done in the Field during the Summer of 1893.

PROFESSORS TH. C. CHAMBERLIN
and R. D. SALISBURY, MESSRS.
BOWNOCKER, WHITSON, and
KNAPP.

Oct. 20.

Report on a Recent Visit to England, Wales, and Scotland.

ASSOCIATE PROFESSOR J. P. IDDINGS.

Report of Work done in the Field.

DR. E. C. QUEREAU. Nov. 14.

Pleistocene Elevations. Review by

EMMA WILLARD.

New Jersey Terraces.

C. E. PEET.

Topographic Forms. Review by

H. B. KÜMMEL. Nov. 28.

Structure of the Iowa Coal Measure.

CHARLES H. GORDON.

Pleistocene Rock Gorges of North-Western Illinois.

JOHN A. BOWNOCKER.

Land Slides and their Geological Significance.

DR. JOHN C. MERRIAM.

Thickness of Ice Blocks which gave Rise to Lakelets and Kettleholes.

C. E. PEET.

Faulting in the Appalachians.

H. B. KÜMMEL. Dec. 12.

THE LATIN CLUB.

Interpretation of Horace.

PROFESSOR STUART,

Lake Forest University. Nov. 17.

Horace.

PROFESSOR PAUL SHOREY. Dec. 16.

THE MATHEMATICAL CLUB.

On the History of the Addition Theorem of Elliptic Integrals.

PROFESSOR OSKAR BOLZA. Oct. 20.

Concerning Del Pezzo's Plane Five-Cusped Quintic Curve.

PROFESSOR E. H. MOORE. Nov. 3.

A Study of Certain Special Cases of the Hypergeometric Differential Equation.

DR. J. H. BOYD. Nov. 17.

The Existence of Transcendental Quantities.

DR. J. W. A. YOUNG. Dec. 1.

A Configuration of 140 Lines in Space representing the Substitution Group of 7 Letters.

ASSISTANT PROFESSOR H. MASCHKE. Dec. 15.

THE NEW TESTAMENT CLUB.

Josephus Against Apion.

C. W. VOTAW. Dec. 13.

In addition, this Club has held four Journal meetings on alternate Wednesdays at 2:00 p.m.

THE PALÆONTOLOGICAL CLUB.

The Morphology of the Mosasauridæ.

DR. JOHN C. MERRIAM. Nov. 7.

(Review of the author's paper on the Mosasauridæ, based on material preserved in the Palæontological Museum at Munich).

On the Morphology of the Skull of the Ichthyosauria.

ASSISTANT PROFESSOR G. BAUR. Nov. 7.

(Doubts in regard to the palatal region were cleared up and the phylogenetic position of the Ichthyosauria determined).

The Vertebrae of the Triassic Tanystropheus. H. V. M.

ASSISTANT PROFESSOR G. BAUR. Nov. 21.

(The true nature of these vertebrae preserved in the Munich Museum was explained, and it was shown that the neural canal is not disconnected, as generally believed, but continuous).

On Globigerina Ooze.

DR. JOHN C. MERRIAM. Nov. 21.

Island Life and Continental Islands.

ASSISTANT PROFESSOR G. BAUR. Nov. 27.

Review of the So-Called Daimonelix.

W. E. TAYLOR. Dec. 4.

The Distribution of the Graptolites in France.

DR. E. C. QUEREAU. Dec. 11.

POLITICAL ECONOMY CLUB.

National Banks in the United States.

HON. E. S. LACEY. Oct. 12.

Methods in the Study of Political Economy.

HEAD PROFESSOR J. L. LAUGHLIN. Nov. 9.

Compensatory Theory of Bimetallism.

JOHN CUMMINGS. Nov. 23.

Development of the Iron Industry in the West.

FRANKLIN H. HEAD. Dec. 7.

POLITICAL SCIENCE AND HISTORY CLUB.

The Evolution of the American Type.

DR. FRANCIS W. SHEPARDSON. Oct. 25.

Geography as a University Subject.

CHARLES T. CONGER. Nov. 8.

The Legal Relation existing between the Mother Country and the Colonies, as maintained by John Adams.

GEORGE TUNELL. Nov. 22.

Naturalization in the English Colonies in America.

CORA A. START. Dec. 13.

THE SEMITIC CLUB.

Cross-Country Sketehees in Syria.

DEAN A. WALKER. Oct. 26.

The Babylonian Account of the Deluge.

DR. W. M. ARNOLT. Nov. 23.

(Printed in full in THE BIBLICAL WORLD, Vol. III., pp. 109-118).

THE SOCIAL SCIENCE CLUB,

Coöperative Life Insurance.

ASSOCIATE PROFESSOR E. W. BEMIS. Oct. 23.

The Chicago Street Boy.

ASSISTANT PROFESSOR FREDERIC STARR. Nov. 20.

The Problem of the Unemployed.

ASSISTANT PROFESSOR C. R. HENDERSON. Dec. 18.

Alternate meetings were Journal meetings, devoted to the review of Periodicals.

ABSTRACTS OF PAPERS.

Read before the University Union, the Philological Society, and the Departmental Clubs.

THE EFFECTS OF MONASTICISM.

ALFRED WESLEY WISHART.

Character largely determines the influence of an individual or an institution. To estimate the effects of monasticism we must consider its essential nature. There is, perhaps, no phase of man's moral development that presents so many startling contradictions as the monastic character. The history of the monks holds up to our view men in all stages of excellence and depravity. A composite picture of the monks must absorb the beautiful and the grotesque, the charms of virtue and the villainies of vice. Monastic orders passed through a mournful history. At their beginning, "girt up so as to take heaven by storm," they gradually lapsed from their position of faithful observance of vows into a state of wealth and corruption.

1. *The Effects upon the Individual.* a. Self-Mortification. The monk, instead of subduing his body, purifying his soul, excited by his overdone fasting the very passions and fancies he tried to crush. b. Seclusion. The monks carried this principle to excess, and the result was pride and a loss of those virtues which are produced by the charities of life.

2. *The Effect upon Society.* a. As respects Literature and Education. The general attitude of the monks toward pagan and secular learning was an obstacle to true intellectual advancement. They were not advocates of mental freedom and fearless inquiry. They fostered the dread of heresy which restrained wide research. b. The Conversion of the Barbarians. It was a task to appall the bravest hearts. The monks displayed heroism, faith, patience, and zeal in the execution of their mission. "The barbarians and the monks re-created a world which was to be called Christendom." c. Agricultural Benefits. The monks reclaimed deserted lands and built their homes far in depths of the forests. They taught many useful agricultural lessons and removed the stigma upon labor.

3. *The Effect upon Religion.* There were many important effects upon religion, chief among which was the fatal distinction

between "secular" and "religious." But all men who enter upon occupations termed secular, if they serve with faithfulness, are performing religious acts. The model for man is not the Christ of the Transfiguration but the honest carpenter, the servant of his fellow-man, and the minister to the needy. Monasticism was a religion for the few. The monk, not man, was revered. "Let the man stand on his feet. Let religion cease to be occasional."

THE BURLESQUE BALLAD IN GERMANY IN THE EIGHTEENTH CENTURY.

CAMILLO VON KLENZE.

Germany is more richly blessed with popular poetry of a high order than any other country. In the sixteenth century the poetry of the people, the "*Volkslied*," became the vehicle of expression for all classes. High and low, rich and poor, expressed their thoughts and feelings in the form of terse, simple, and naive "*Volkslieder*." Humanism and the terrible religious wars of the seventeenth century quickly brought about the decay of popular poetry in Germany. Furthermore, during the seventeenth century Germany became entirely dependent on France for her ideals in every department of intellectual life. But France and the Romance countries generally despised the lower classes and were proudly ignorant of their poetry. In Spain and in France this contempt fathered a curious literary phenomenon, the burlesque ballad; it was treated with much skill and no little wit in Spain in the sixteenth century, especially by Quevedo; from there it went to France, and from France crossed over into Germany in the eighteenth century. Gleim was the first to publish burlesque ballads (he called them "*Romanzen*") in 1756. He found many imitators, most of them inferior even to him, and Germany was flooded with burlesque ballads for years; in fact, such ballads were written to the end of the last century. The most prominent among the ballad writers are Loewen, Schiebeler, and Buerger, but many others

like Hölty, H. L. Wagner, etc., wrote burlesque ballads. There was not a province in Germany in which they were not published some time between 1700 and 1800. The French burlesque ballads were taken as models, but the style of the German burlesque ballads is inferior to those models. Lasciviousness and silliness characterize them throughout. Amusingly enough, they were for a long time mistaken for good imitations of the neglected ballads of the people, and admired even by leading critics. The subjects they treated were generally blood-curdling tales, such as "*Bänkelsänger*" shout even now at fairs in Germany. Fortunately, this avalanche of vile literature was impeded in its course and finally stopped by Herder's masterly treatises on popular poetry (especially the essay on Ossian, 1773). One of the most extreme of the authors of burlesque ballads, Bürger, profited by Herder's teaching. He studied the true ballad of the people, and in 1773 wrote his famous "*Lenore*," in which the unconscious beauties of popular poetry are used by a conscious artist. Although burlesque ballads were written for many years after that, they played an unimportant part for the "*Lenore*" had started German literature along new lines.

[Cf. Also *Proceedings of Mod. Lang. Assn. of America*, New Series, Vol. VIII., pp. xxv, ff.]

CONSONANT + l IN ROMANCE.

RENÉ DE FOYEN-BELLISLE.

Meyer-Lübke (*Italienische Grammatik* § 186) in order to explain the development of such Italian words as *chiamare* out of Latin *clamare*, *piano* < *planum*, *fiamma* < *flamma* suggests that the step was taken through a mouillated *l*.

Such a development, however, is impossible from a physiological point of view. It is not necessary to examine the cases where the initial consonant is either a labial or a dental. In regard to the *cl* group, it may be said that the *k* sound can no longer be considered as a pure velar stop, being already drawn forward by the following *l*. If, consequently, the *l* did become mouillated, the whole group *cl* would necessarily become a palatal compound from which, whatever should remain of the hard *k* stop would swiftly be swept away. And such, in fact, is the case wherever we know that a mouillated *l* did develop, because it remains to-day alone; in Spain, for instance, where we find *llava*, *llame*, *llano*, etc. . . .

Dialect-study may throw some light on the Italian development. In the French Créole spoken in the West Indies, an *i* sound is heard between the two consonants; and, it seems more logical to admit that the Italian sounds probably went the same way, the dropping of the *l*, after the *i* had become a full vowel, being entirely in harmony with the working of the *vis minima*. The fact that in the French Créole dialect, words are found fully as advanced in their development as the Italian words, lends additional strength to this supposition; and, if, on the other hand, we add that similar data have been obtained from the study of the Créole spoken in the Mascarenes (cf. Adolph Dietrich: *Les Parlers Créoles des Mascareignes, Roumanie*, vol. xx), we may venture to claim that in the light of these new facts the history of consonant + *l* in Romance may now fairly be considered as written.

PRINCIPLES IN BAPTIST HISTORY.

O. P. GIFFORD.

Definitions do not define a subject so much as they reveal the limitations of him who defines. True history must get back of the events to man and then to the principles which control man. Baptist history from this view, reveals the operation of

three great principles, *viz.*: 1. A belief in the Bible as a rule of faith and practice; 2. The right of private judgment; and 3. The absolute separation of church and state.

A STUDY IN COMPARATIVE RELIGION.

E. B. HULBERT.

The speaker endeavored to remove prevailing misconceptions of the heathen religions by pointing out the true elements which inhere in the religious faith of all nations. Having made such acknowledgments, he proceeded to describe the weakness of non-Christian religions and to show that Christianity supplied those essential truths which man needs, but which paganism does not possess.

"LITERATURE AND THE SCIENTIFIC SPIRIT."

OSCAR L. TRIGGS.

1) *Introduction*: Truth and beauty are correlative; but truth is the object of science, beauty is the essential content of art. Art endures because it is beautiful; it is known imaginatively and emotionally. Scientific knowledge is gathered and classified by the intellect, rationally.

2) *Methods of literary and scientific study*:

(a) Originally, perception was the first process in art and in science.

(b) In completed forms:

(1) In science nature is regarded as becoming. The truth of science is a law. The problem of knowledge is to relate the object of experience, the particulars, with the universal reality or law hidden behind things. The knowledge of science is relative and not absolute.

In art, which is formed out of idea and matter, the particular things are ends in themselves. The problem of scientific knowledge is resolved, the universal (idea) having become particular (things). Art is a real-ideality or an ideal-reality. The knowledge of art is absolute.

(2) In science particular things are instruments, examples of a general law. A flower is of interest to science not because it is beautiful but as a member of a species. Science searches for causes.

In art particular things are regarded as ends in themselves, not as examples of a law. They exist as beautiful objects which appeal directly to the mind that contemplates them.

(3) In science, unity is abstract, hypothetical. The universe, it is hoped, will one day be known and completely classified. Meanwhile science is agnostic. The Final Cause remains forever unknown.

The content of art is idea, the universal essence being revealed in material form. Art unity is therefore real.

These three essential differences indicate the manner in which each study must be approached. The intellectual categories of science are inadequate explanation of artistic materials since the latter are known imaginatively and emotionally, *i. e.*, aesthetically.

3) *The purpose of literary study*: The development of personality. Science enlarges the external world. Literature, the highest of the arts, must increase the inner life, the thought, the imagination, the feelings, the will. To subject literature to scientific methods is to thwart the mission of art in social life. Literature is to be studied aesthetically, in accordance with its essential nature, for the purpose of life.

ENGLISH SURNAMES.

A. H. TOLMAN.

Proper names do not seem to have existed in England before the Norman Conquest. Particular surnames were considered under each of the four great classes: local, patronymic, professional and official, and descriptive names (nicknames). Attention was directed to the interesting record of former stages of civilization that is preserved for us in our surnames taken from occupation.

Many interesting illustrations of the laws of sound-change in the English language are to be found in our surnames. For example, the surname Reed, Read, Reid, etc., was originally a nickname meaning *red*. It is the adjective that has been irregular in its development, not the surname; Chaucer's *reed*, *rede* has a long vowel. *Red* seems to owe its pronunciation to the attraction of such words as *redness* and *redly*, where the vowel of the first syllable was regularly shortened before two consonants. *White* and *whiteness* show a leveling under the long vowel; but Whitman, Whitefield, Whitsunday, etc., show the regular shortening. Thus surnames are largely free from the disturbing influences of analogy, which often interfere with the sound-development of the ordinary words in the language.

[This paper will be printed in vol. x of the *Transactions of the Wisconsin Academy of Sciences, Arts, and Letters*].

THE CHRISTIAN COLORING IN THE BEOWULF.

FRANCIS A. BLACKBURN.

Of the sixty-four passages in the Beowulf that contain any Christian coloring all except three may be explained as the result of slight changes, such as a Christian copyist could easily make. Reasons for thinking that they gained their Christian tone in this way are:

1. The Christian allusion is always short; in a large number it is contained in a single word or phrase. In some of these words, e. g., *melod*, *hel*, etc., we cannot always be sure that the older meaning is not the real one.

2. There is no allusion in the poem to Christ, to the Scriptures, to the atonement or any other Christian dogma, to the Virgin or the saints, in fact to anything distinctively Christian. These omissions are easily explained on the assumption of occasional verbal changes, but are quite incomprehensible on the theory that the author was a Christian, only the subject-matter being heathen.

Three passages, however, cannot be explained on this hypothesis, and must be regarded as interpolations. They are vv. 175-188, in which it is stated that the Danes worshiped idols and knew not the true God; vv. 90-114, containing a reference to the Creation, the Fall and the murder of Abel, and vv. 1261-1266, which repeat the allusion to Cain.

The reason for regarding vv. 175-188 as interpolated is the inconsistency of its statements with the pious expressions put into the mouth of Hrothgar and his fellow Danes; vv. 90-114 are apparently copied into the text unskillfully from a marginal note. This is inferred from the confusion of the passage. Vv. 1261-1266 are simply a repetition of a part of the same story.

The following re-arrangement is suggested, viz.: 102-104; 86-90a [90b-101; 107-110; 105-106; 111-114]; 115-ff. The bracketed verses indicate the assumed interpolation. It will be noticed that if these verses be omitted the story is clear and consecutive, and that the interpolated portion, when thus arranged, is equally clear, except that there is a loss of a sentence or two between v. 101 and v. 105. These lacking sentences have apparently been crowded out by the three verses which it is proposed to place before v. 86.

These conclusions point to a poem completed in ante-Christian times, not to one composed by a Christian out of heathen materials.

HINDU SACRIFICE.

H. HOWARD.

Our investigation of this subject must begin with that remote age when the Aryan folk were first advancing into the Punjab—a people simple and hardy, whose religious needs were satisfied by a primitive nature-cultus, yet possessing already the germs of the later sacerdotalism. Even in the Vedas we observe a progressive development of ritualism and superstition.

Of the Vedic gods, two are of special interest in connection with our subject—Agni (fire, Lat. *ignis*), the "divine priest," the mediator, who wafts the sacrifice heavenward, and Soma, a vegetable sap, sweet and intoxicating, which, as one of the most acceptable oblations, was held in the highest esteem, and ended by being itself deified.

The object of Vedic sacrificial worship was, according to Barth, the entire pantheon considered as a unit, though many texts seem to contradict this view. If impersonal on its divine side, the rite on its human side regarded one sole personal beneficiary; there was no sacrifice on behalf of an entire community. Oblations might be offered at any place, but the occasions—new and full moon, the beginning of a new season, etc.—were more definitely regulated by custom. The offerings were animals—goats, buffalos, rams, horses—or bloodless gifts, like butter, milk, rice, or soma, accompanied by the chanting of Vedic formulas and hymns.

Whatever theory we may form as to the origin of Hindu sacrifice, whether we trace it to totemism, to primitive monotheism, or to the free play of anthropomorphic fancy, its fundamental principles appear to have been, first, a bargain by which the favor of the gods was bought, and next, a rite of magic efficacy upon which the continuance of the universe depended.

The offerings to ancestors constituted really a religion by themselves, primeval and common to the Aryan and Mongol races alike. Unlike the worship of the gods, this cultus provided a bond of family and gentile union. *Sapindas* and *Samānodakas* gathered to honor the memory of their common progenitor, and to provide him with the nourishment necessary for his ethereal spirit-frame. These offerings, or *Craddhas*, are among the modern Hindus celebrated with ruinous extravagance, and the cruel practice of Suttee has been introduced, a custom unknown in early times.

This Vedic system of religion was spread by the Aryan conquests over the greater part of Hindustan. Powerful kingdoms arose, in which, however, the earlier simplicity of manners was corrupted by the law of caste and the oppressive domination of the Brahmans. In their hands, religion degenerated into a wilderness of rites. To the beautiful strains of Veda-song succeeded those arid commentaries named *Brāhmanas*. Sacrifice, more mystic and important than ever, received its highest degree of elaboration; 1000 varieties are catalogued, *ishtis*, *sonayāgas*, *purushamedha*, or human sacrifice, which was perhaps borrowed from the conquered aborigines.

This acme of growth was followed by decline, superinduced by various causes—the unwieldiness of the system, the rise of *ahimsā* or tenderness to animal life, the Mussulman invasions, and above all the growth of sects like Buddhism, and the worship of Vishnu and Çiva. At present the old orthodoxy is completely overshadowed by its offshoots. *Pājā*, or worship of one god at a time, seems to have superseded the old impersonal (?) *yajna*. The offerings are generally fruit, rice, flowers, or incense, bloody sacrifices being mostly confined to the worship of such goddesses as Kālī and the other wives of Çiva, and to the aboriginal cultus of the Dekhān.

ON THE HISTORY OF THE ADDITION THEOREM OF
THE ELLIPTIC INTEGRALS.

OSKAR BOLZA.

The paper gives an account of the discoveries of John Bernoulli, Fagnano, Euler, Lagrange and Legendre concerning the addition theorem of Elliptic Integrals of the three kinds.

CONCERNING DEL PEZZO'S PLANE FIVE-CUSPED
QUINTIC CURVE.

E. HASTINGS MOORE.

Clebsch (Crelle, vol. 64) proved that a rational plane curve of order n has at most $\frac{3}{2}(n-2)$ cusps, and so a rational quintic at most four cusps. Del Pezzo (Naples Academy, Feb., 1889) showed that a single quintic (of deficiency $p=1$) exists having cusps at five arbitrarily assigned points of the plane. The quintic, after its plane has been subjected to a Cremona quadratic transformation with fixed points at three of the cusps, appears as a bicuspidal quartic circumscribed about and inscribed in the coordinate triangle; the explicit equation of this quartic is derived.

The quintic is of deficiency 1, of order 5, class 5, with 5 cusps and 5 points of inflexion. It is determined uniquely by its 5 cusps or its 5 inflexional tangents, and in the geometry of the plane pentagon it deserves a place alongside the conic.

A STUDY OF CERTAIN CASES OF THE HYPERGEOMETRIC
DIFFERENTIAL EQUATION.

JAMES H. BOYD.

The paper reviewed presents the results of a study of certain cases of the hypergeometric differential equation made at Göttingen. The cases are those in which the hypergeometric differential equation has a single algebraic solution (Schwarz, *Crelle*, 75, § 7).

The method is the geometric one used by Klein in his lectures on linear differential equations, and in his paper "*Ueber die Nullstellen der hypergeometrischen Reihe*," *Math. Annalen*, Vol. 37, p. 580. The solutions are regarded as functions defined, after the manner of Riemann, by the requirement that the conformal representations which they determine be certain generalized triangles. These triangles are made the starting point of the discussion and are classified geometrically, and the classification of the integrals of the equation is deduced from that of the triangles.

THE EXISTENCE OF TRANSCENDENTAL NUMBERS.

J. W. A. YOUNG.

Lionville (*Journal*, Vol. 16) proved the existence of transcendental numbers by establishing a general property of real, positive, algebraic numbers, and then exhibiting a real, positive number not having this property. Hermite (1874) showed that e is transcendental, and similarly Lindemann (*Math. Annalen*, Vol. 20, 1882) showed that π is transcendental. Weierstrass (*Berl. Berichte*, 1885) gave simpler proofs of the transcendency of these numbers, and also established more general theorems concerning transcendental numbers. Recently (*Math. Annalen*, Vol. 43, 1893) Hilbert, Hurwitz, and Gordan have given simple proofs of the transcendency of e and π , based upon only elementary theorems of the infinitesimal calculus. The proofs of Lionville and of Hurwitz were presented in detail and discussed.

A CONFIGURATION OF 140 LINES IN SPACE REPRESENTING THE SUBSTITUTION-GROUP
OF 7 LETTERS.

H. MASCHKE.

Dr. Maschke gave an account of his paper on a configuration of 140 straight lines in space, published in *Math. Annalen*, Vol. 36. If the straight lines are represented by Professor Klein's supernumerary line-coördinates the configuration arises by applying the permutation group of 7 letters to the 7 coördinates of a straight line of which two sets of three elements are equal. The 140 lines intersect each other in 120 points and lie in 120 planes. Special account was given of a peculiar group of 6 points occurring in the above configuration, called metharmonic points.

JOSEPHUS "AGAINST APION."

C. W. VOTAW.

This tract was written by Flavius Josephus about 100 A. D., probably at Rome. It is a comprehensive and skilful apology for Judaism, directed principally against Apion, an Egypto-Roman rhetorician, but replying also to the whole class of defamers of the Jews. Book I. answers the charge that the Jews were an upstart nation without a history, by citing early references to the Jewish nation in the historical writings of the Egyptians, Phœnicians, Chaldeans, and Greeks. It also refutes the calumny that the Jews were the leprovous offscouring of Egypt driven thence. Book II. replies *seriatim* to the charge of Apion that the Jewish nation had a vile origin, kept an ass-head in their holy place to worship, observed an annual human sacrifice, swore enmity to all foreigners, produced no great men, and so forth. Then the writer gives a complete exposition of the origin, history, religion, laws and customs of the Jews, showing them to have had an honorable and influential career, and to be possessed of institutions greatly superior to those of the Gentile nations. Certainly Josephus puts the best possible appearance and interpretation upon Jewish history, beliefs, and customs; yet the treatise is, in the main, a true and dignified defence, the best apology for Judaism that has come down to us. It is of high historical value, since it contains the estimate put upon his own nation by a learned and able Jew, writing in the full and liberal light of the Græco-Roman world of the first century of our era.

ON GLOBIGERINA OOZE.

J. C. MERRIAM.

Dr. J. C. Merriam reviewed the results of deep-sea dredging, especially of the Challenger expedition. Passing from the shore toward the deeper parts of the ocean, a succession of faunal zones has been established. After passing the littoral fauna there appear in order the Globigerina zone, the Radiolaria zone, the Pteropod zone, and the Red Clay zone, the latter devoid of organic remains.

ISLAND LIFE AND CONTINENTAL ISLANDS.

GEORGE BAUR.

It was shown that islands, according to their origin, may be divided into two groups, viz., islands originated through elevations, and islands originated through subsidence. The theory was established that islands of the first group have a disharmonic distribution of fauna and flora, while those of the second group have a harmonic distribution. The Galapagos Islands,

visited by the speaker, were taken as an example, and from their absolute harmony in distribution it was concluded that they must have originated through subsidence and not through elevation as generally believed.

A REVIEW OF THE SO-CALLED DAIMONELIX.

W. E. TAYLOR.

The so-called Daimouelix is a fossil of gigantic size found in the Mioocene of northwest Nebraska and in general shape resembles a corkscrew. It consists of three pieces, viz., spiral, shaft and basal portion, and has been described as of organic origin.

These fossils are probably the casts of the burrows of some large rodent. The horizontal basal portion would then be the entrance, the vertical shaft a place for safety or escape or for admission of air; the vertical spiral being for the ascent of the rodent. This conclusion is fully substantiated by the enlargement (nest) of the basal portion and the presence of undoubted rodent remains.

THE DISTRIBUTION OF GRAPTOLITES IN FRANCE.

E. CHASE QUEREAU.

E. C. Quereau reviewed a paper by Dr. Charles Barrois on the "Distribution of the Graptolitidae in France." The same Graptolite forms occurring in the same horizons of the Cambrian and Silurian deposits as those described by Lapworth, of Great Britain. The association of Graptolites with deep-sea deposits containing Radiolaria was of special significance, indicating that the former lived like the latter on the high seas during some part of their life.

"THE EVOLUTION OF THE AMERICAN TYPE."

F. W. SHEPARDSON.

George Washington is often described as "first in the hearts of his countrymen;" Abraham Lincoln has been called "the first American." The two expressions are not necessarily inharmonious, although the two men were unlike in many respects. The true American was not developed at the time of the first president. He will appear in the West, his characteristics being the best of those which marked the American of revolutionary times, modified by the pioneer life of the "winners of the West," affected by the climate of the Mississippi valley, and still further improved by the intermingling of races from all the earth in the wonderful assimilation of types, which is the feature of American life in the present century.

FROM BEIRÛT TO YABRÛD.

DEAN A. WALKER.

The paper narrates the incidents of a three-days journey made in the summer of 1891 by three of the instructors in the Syrian Protestant College at Beirût in search of a quiet interior town of Syria in which to spend the summer vacation. Yabrûd, on the eastern side of the Anti-Lebanon, is the destination and the route lies through Shtora and Baalbec. It takes four days to make a satisfactory bargain with the muleteers, the difficulties being increased by the expected approach of cholera when Beirût muleteers can charge high prices for transporting the panic stricken people of Beirût to the mountain villages. The contract being made and the party getting under way, the *personnel* of the attendants is described, and the qualities to be

sought in a saddle horse for use on the Syrian roads. The ascent of Lebanon presents fine views of Beirût and the Mediterranean, and from the summit the noble form of Hermon and the beautiful plain of the Bekâa are seen. The camp is pitched the first night at Shtora, the half-way station of the French Diligence Company between Beirût and Damascus. Near Zahleh, a returned Syrian gives his impressions of America, which leads up to a discussion of the present Syrian emigration, its motives and extent, and the attitude toward it of the Turkish government and the United States consul. Baalbec is the second camping place, but space forbids a description of the ruins. The third day's journey is a long one, across the Anti-Lebanon. A threshing floor passed on the way furnishes material for discussion and the theory is presented that the Canadian toboggan and the New England stone-boat are an evolution and differentiation from the Syrian threshing sledge. The weariness of the ascent of the mountain is relieved by an impromptu musical and poetic contest between the cook and second muleteer. The geological formation of the Anti-Lebanon is described and the character of the country beyond. The incidents of the day end with the arrival at Yabrûd and welcome at the house of the Protestant pastor.

LIFE INSURANCE.

E. W. BEMIS.

In this paper was traced the history of business assessment companies, of fraternal insurance companies with lodges, and of those without lodges. All three usually start with a very low death rate, six or eight in a thousand members, but the rate gradually increases to twelve and even occasionally to sixteen. But even then the cost is less than in old line companies, and no fraternal insurance association of national character and based on lodge features has been known to fail. The danger is that new assessment companies with a lower death rate may attract the younger and healthier members of old companies, thus involving them in abnormally high and fatal cost from a high death rate. Some of the best assessment companies are trying, with a fair prospect of success, to guard against this by grading assessments more scientifically, according to the age of members admitted.

The assessment system of insurance is especially helpful to those who only desire insurance from about the age of thirty to that of fifty-five, and are willing to invest in a good building and loan association or otherwise, from year to year, the difference between the expense of an old line policy and that of a business assessment company. Such persons could afford, at the age of fifty-five, to drop all insurance and yet be better off in most cases than those insured in old line companies. But the latter, it must be admitted, provide at present a more secure insurance than do assessment companies.

No system of state insurance could be expected to be cheaper than the best assessment insurance, but it could be made more secure and so arranged that the employers and the state might bear a portion of the expense.

State regulation and strict enforcement of wise laws, of which Massachusetts furnishes the best examples, should be had in matters of insurance of all kinds in every state in the Union.

THE CHICAGO STREET BOY.

FREDERICK STARR.

The speaker had studied the street boy as an object of scientific interest, not from a philanthropic motive. His acquaintance is chiefly on Madison and State streets and west to Halsted

street. Street boys are no longer Americans; but few are Irish; most are Italians and Russian Jews, with a few Polacks, Afro-Americans, etc.

Individuals and types were described. "Sam" was of the industrious type and represents the Russian Jews. He asks no odds; needs no interference. He makes \$4 or \$5 a week selling papers. An Irish comrade sells \$1.20 in a day and goes to night school. The little boys are sometimes plundered by larger ones.

A "bum" is a boy who has run away from home. Hundreds of them are on the streets every night. One, a bootblack of twelve, has money in the bank.

A "sleep-out" is despised by newsboys and bootblacks. He sleeps in boxes or doorways or near a furnace. Many are pick-pockets; they go in gangs of ten or twenty. One man keeps out six boys begging, who sometimes bring him \$15 a day. Of the six, two were cripples, two are fixed up with an arm in a sling, two have "scalded" hands. Two made \$12 some days at the World's Fair. While one picked the pockets, his "partner," a boy of nineteen, "stood by" to confuse the victim. Another rich ground was where drunken men slept. Decent boys are not well "up" in thieves' slang.

METHODS OF CARING FOR THE UNEMPLOYED.

C. R. HENDERSON.

The unemployed were classified according to their personal condition, the unfortunate, the partially futile, the incompetent and feeble, the chronic beggar and vagrant, the semi-criminal and criminal. The same persons were further classified as homeless and resident poor.

The historical methods of care were described: the English and American poor houses, with and without labor tests; the Dutch Home Colonies; the German Labor Colonies. A system of care was outlined which might combine the advantages of each method and be adapted to American conditions.

DANISH-NORWEGIAN LITERARY SOCIETY

of the Theological Seminary, met on alternate Mondays at 8:00 P.M. Biographical sketches were read of *Oehlenschläger*, *Ansgar*, *Savonarola*, *Oliver Cromwell*, and *Gustavus Adolphus*. Musical entertainment was furnished from time to time. The whole number of members is 12.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

The officers of the Christian Union have pleasure in reporting progress during the past Quarter and bright prospects for the future.

REPORT OF THE COMMITTEE ON BIBLICAL STUDY.

PROFESSOR HENRY DRUMMOND, LL.D., Glasgow.

The Elements of Life. October 1, 3:30 P.M.

DR. CHARLES F. KENT delivered a course of six lectures on *The Prophecy in Northern Israel*, Sunday afternoons at 3:30 o'clock. The series included the following topics:

The Prophet in Northern Israel's Early History. October 22.

The Mission of Amos. October 29.

The Message of Amos. November 5.

Hosea's Life-Experience and its Application, November 12.

Later Sermons of Hosea. November 19.

The Work and Teachings of the Northern Israelitish Prophets. November 26.

REPORT OF THE COMMITTEE ON PUBLIC WORSHIP.

The following addresses have been delivered before the Christian Union on Sunday evenings, from October to December.

REV. S. J. MCPHERSON, D.D., Chicago.

The Hero of Common Life. Romans i. 5-6. The University Sermon. October 1. Hyde Park Presbyterian Church.

PROFESSOR HENRY DRUMMOND, LL.D., Glasgow.

Temptation. October 8.

REV. CHARLES R. DICKINSON, D.D., Boston, Mass.

The Institutional Church. October 15.

PROFESSOR T. J. LAWRENCE, The University.

October 22.

REV. FRANK FOOTE, India.

India. October 29.

MR. W. T. STEAD, Editor of *Review of Reviews*, London, Eng.

Be a Christ. November 5.

REV. H. W. THOMAS, D.D., Chicago.

The New Theology. November 12.

REV. THOMAS C. HALL, D.D., Chicago.

The Friend of God. November 19.

PROFESSOR BENJ. S. TERRY, The University.

Christ, the Enthroned Priest. November 26.

ASSOCIATE PROFESSOR E. W. BEMIS, The University.

Thy Kingdom Come. December 3.

HEAD PROFESSOR ERNEST D. BURTON, The University.

Bible Study, its Aims and Methods. December 10.

(Union meeting of the Y.M.C.A., the Y.W.C.A., and the Christian Union).

HEAD PROFESSOR J. L. LAUGHLIN, The University, AND MISS JANE ADDAMS, Chicago.

Social Work in Chicago; University Settlements. December 17.

REPORT OF THE COMMITTEE ON PHILANTHROPIC WORK.

Working upon the plans suggested by the investigations of last year, this Committee has leased a building for social settlement work and fitted it up as a comfortable residence. Competent graduate students have already made their home with the people of the selected neighborhood. An alliance for united service has been formed with educational associations in the city, and under this arrangement work for children and youth begins at once with a Day Nursery, Kindergarten, and Classes and Libraries for youth. Arrangements are made for good books, wholesome recreations, attractive entertainments, and

concerts, in which the personal services of members of the University will find place. Members of the faculties and student body have already manifested, by labor and gifts of money, the highest degree of interest in the enterprise, and the foundations are laid in confident expectation of patient and generous support.

REPORT OF THE COMMITTEE ON SOCIAL LIFE.

The Christian Union joined with the Young Men's Christian Association and the Young Women's Christian Association in the social reception of the Autumn Quarter. In many ways fellowship has been promoted, especially by visits in sickness.

REPORT OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

At the commencement of the Autumn Quarter, the Association issued a Students' Hand-Book. The edition of 1200 copies was distributed free.

The Autumn Reception to new students was held in conjunction with the Young Women's Christian Association on October 7. The reception was well attended.

The regular meetings of the Association have been held on Friday and Sunday evenings. The former is a men's meeting; the average attendance has been 30. The Sunday evening meeting is held in conjunction with the Young Women's Christian Association, and during the Quarter has had an average attendance of 40.

Two classes for Devotional Bible Study have been formed. Twelve of the members have joined the classes.

The present membership of the Association is 161, of whom 46 have been added this Quarter.

The following are the Committees of the Association:

Executive Committee:

President, Theo. G. Soares; Vice President, Bruce Kinney; Corresponding Secretary, Wm. B. Owen; Recording Secretary, S. W. Jameson; Treasurer, Jos. E. Raycroft.

Membership Committee:

F. D. Nichols, J. B. Whaley, S. D. Barnes, E. A. Bowen, F. W. Woods, G. N. Knapp.

Devotional Committee:

A. T. Watson, O. G. Markham, H. H. Hewitt, J. F. Hosie.

Missionary Committee:

W. A. Wilkin, J. F. Hunter, A. E. Goodman.

Bible Study Committee:

W. E. Wilkins, T. A. Gill, E. V. Pierce, L. J. de Swarte.

Finance Committee:

Jos. E. Raycroft, H. G. Gale, W. L. Arehibald, U. S. Davis, W. P. Behan, F. R. Barnes.

REPORT OF THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

During the Autumn Quarter the Association has gained steadily in membership, in interest, and attendance. The membership at present is 87, as against 32 a year ago. Two meetings are held each week. A union meeting with the members of the Young Men's Christian Association on Sunday evening at 6:45 in Cobb Lecture Hall, also a noon prayer meeting for women only, Thursday, at 1:30, in the same lecture room. During the quarter just passed a branch known as the Dormitory Branch of the Y. W. C. A. has been formed. This aims to work exclusively among the women living in the University Houses, and conducts a house prayer meeting in each of the houses once a week. At these meetings the subject assigned for the Thursday noon meeting is considered.

The following are the committees:

Executive Committee:

President, Zella A. Dixon; Vice President, Jean E. Colville; Recording Secretary, Louise Goodhue; Treasurer, N. J. Carpenter; Corresponding Secretary, Harriet C. Agerter.

Reception Committee:

Harriet C. Agerter, Mary Scarff, Dr. Alice B. Foster, Belle Pettegrew.

Membership Committee:

Mary Maynard, Louise Goodhue, Laura A. Jones, Stella Robertson, Charlotte Coe.

Prayer Meeting Committee:

Jean E. Colville, Emma Shafer, Elizabeth Crowther, Mary Castle, Flora M. Thompson.

Missionary Committee:

Cora Jackson, Laura Willard, Ella M. Keith, Harriet C. Agerter, Flora M. Thompson.

Finance Committee:

N. J. Carpenter, J. K. Boomer, Marion Morgan, May Rogers, V. E. Woodward.

Publication Committee:

Jean Colville, Mary Maynard, Harriet C. Agerter, Cora Jackson, N. J. Carpenter.

SPECIAL MISSIONARY AND OTHER RELIGIOUS MEETINGS.

Missionary Society of the Divinity School.

The following addresses were made during the Autumn Quarter :

REV. WM. M. UPCRAFT, of Western China, on *some of the Chief Difficulties to be met in the Far Interior of China* (October 24).

These were :

1. A lack of confidence on the part of the Chinese in the missionaries previous to a mutual thorough acquaintance. It is hard for them to conceive of a disinterested motive.
2. The sacrifice necessary on the part of a native in becoming a Christian. He becomes an outcast, loses social position, political influence, and business advantages.
3. This calls forth the system of compromise prevalent among the Chinese. They expect every man in business, philosophy, or religion to be ready to yield in part for the sake of an agreement.

DR. C. E. HEWITT (Nov. 26). *City Missions and the Divinity School.*

Dr. Hewitt, as Secretary of the Educational Society, spoke from a long experience on the points of contact possible between the Divinity School and the city missions. City missions give to the student an opportunity for engaging to some extent in what is to be his lifework ; while at the same time allowing him to continue his studies. They also give him a laboratory for practical study and experiment. The department of city missions should be thoroughly organized with respect to the University, and certain parts be under the special care of the Divinity students.

Reports by MESSRS. E. A. READ, I. W. ALLEN, and T. G. CRESSEY (Nov. 28), who were chosen delegates to the fourteenth annual convention of the American Inter-Seminary Missionary Alliance, held at New Haven, October 26-29, 1893.

REV. E. BOSWORTH, of the Grand Ligne Mission, Quebec (Dec. 14). *Romanism in Quebec.*

Mr. Bosworth referred to the statue of Ignatius Loyola facing the main entrance of the Jesuit Retreat, Quebec City, in which Loyola had crushed to the ground a victim clutching the Bible to his arms, and said that it was in the interest of an open Bible and an education sufficient to read it and apply it, that he spoke. The Grand Ligne Mission is the oldest French Protestant mission in North America. Twenty thousand dollars per annum is now being used for its work, but double the amount would not meet its great need.

REPORT OF THE VOLUNTEER BAND.

Eight meetings were held during the last quarter with an average attendance of nine. Six persons have signed the pledge since November 1. The Band has been studying the "*Volunteer Series*" No. 2, and this course of study will be pursued during the current quarter. Meetings will be held every Thursday at 5 P.M. in *Lecture Room, Cobb Lecture Hall.*

EXERCISES IN THE UNIVERSITY CHAPEL.

CHAPLAINS DURING THE AUTUMN QUARTER.

President William R. Harper. October 1-8.
Recorder Ch. R. Henderson. October 9-15.
Head Professor J. L. Laughlin. October 16-22.
Dean H. P. Judson. October 23-29.
Dean McClintock. October 30-Nov. 4.
Dean E. B. Hulbert. November 5-11.
Professor T. J. Lawrence. November 12-18.
Head Professor A. H. Small. November 19-25.
Head Professor Ernest D. Burton. November 26-December 1.
Head Professor Th. C. Chamberlin. December 2-8.
Professor W. C. Wilkinson. December 9-15.
Assistant Professor Martha Foote Crow and Professor E. H. Moore. December 16-22.

CHAPEL ADDRESSES AND EXERCISES.

From October 2—December 18, 1893.

PRESIDENT WILLIAM R. HARPER, The University.
Address of Welcome. Monday, October 2.

PROFESSOR HENRY DRUMMOND, LL.D., Glasgow, Scotland.

Christian Work in Edinburgh University. Tuesday, October 3.

The Individual Christian. Wednesday, October 4.

Social Religion. Thursday, October 5.

Growing Beliefs. Tuesday, October 10.

Comfort and Stimulus in Religion. Thursday, October 12.

REV. KERR B. TUPPER, D.D., Denver, Col. Wednesday, October 11.

REV. H. L. WAYLAND, D.D., Philadelphia.

New Elements of Education. Friday, October 13.

PROFESSOR ALICE FREEMAN PALMER, PH.D., L.H.D., The University.

Discrimination. Tuesday, October 17.

REV. MATTEO PROCHET, D.D., Rome, Italy.

The Modern Waldenses. Monday, October 18.

REV. L. A. CRANDALL, D.D., Chicago.

A Visit to Toynbee Hall and the People's Palace. Monday, November 13.

PAUL DU CHAILLU, New York.

Africa. Monday, November 27.

REV. W. W. FENN, D.D., Chicago.

Temptation and Opportunity. Tuesday, November 28.

REV. T. C. HALL, D.D., Chicago.

Service. Wednesday, November 29.

MR. S. E. JACOBSON (violinist), accompanied by MR. WILLIAM SHERWOOD (pianist), Chicago, rendered the *Kreutzer Sonata* of Beethoven. Thursday, November 9.

MISS NEALLY STEVENS (pianist), Chicago. Thursday, November 16.

REV. L. P. MERCER, D.D., Chicago.

Morals and Religion. Tuesday, December 5.

PROFESSOR E. D. BURTON, The University.

Life and Teachings of Jesus. Friday, December 8; Wednesday, December 13; Wednesday, December 20; Thursday, December 21.

MR. G. F. ROOT, Mus.D., Chicago.

Musical Culture. Thursday, December 14.

MISS M. DIETRICKSON, Chicago.

Vocal Solos. Monday, December 18.

UNIVERSITY LECTURES.

MR. HENRY SATOH, on *The Moral Conceptions of the Children of Japan (Yamato)*. Chapel, Cobb Lecture Hall, 3:00 P.M. Tuesday, December 12.

THE UNIVERSITY HOUSES.

GRADUATE HALL.

Organization.—Head, CHARLES F. KENT; Counselor, Head Professor A. W. Small; House Committee, (the above *ex-officio*), Assistant Professor O. J. Thatcher, R. Waterman, H. R. Hatfield, S. B. Barrett, H. B. Learned.

MEMBERS.

Atkinson, D. E., Bachelé, C. V., Barrett, D. C., Barrett, E. C., Barrett, S. B., Boyd, C. S., Boyd, J. H., Carroll, P. P., Conger, C. F., Cummings, J., Davis, W. S., Dickie, H., Emery, V. J., Farr, M. S., Hastings, C. H., Hatfield, H. R., Herrick, R. W., Hill, H. B., Hill, W., Hubbard, H. D., Hunter, G. L., Hymen, J. B., Ikuta, M., Innes, S. L., Kent, C. F., Lovett, R. M., Learned, H. B., Markham, O. G., McKinley, A. E., Murphy, H. C., Poyen-Bellis, R. de, Schwill, F., Soares, T. G., Squires, V. P., Thatcher, O. J., Triggs, O. L., Tunell, G., Walker, A. F., Walker, D. A., Waterman, R., White, H. K., Whitney, A. W., Wilcox, W. C., Wilkins, W. E., Wood, A. A.

GUESTS.

Mandel, E. F., Sanders, E. F. Total, 47.

TREASURER'S REPORT.

Receipts.—Loan from the Board of Trustees of the University of Chicago, for the equipment of the house parlor, \$150.00.

Expenditures.—Table, \$15.00; Lounge, \$63.00; Pillows, \$9.00; Picture and Frame, \$18.00; Curtains, \$15.08; Window Seat, \$9.00; Cushions for Window Seat, \$15.00; Globes for Gas Fixtures, \$2.25. Total, \$146.33. Balance not expended, \$3.67.

EVENTS IN THE HISTORY OF THE HOUSE.

Room 1 was presented to the House by the Board of Trustees for a house-parlor and the room of the Head. In the second week of the Autumn Quarter the House was organized and by-laws adopted. In November the walls of the various rooms of the House were tinted and the floors painted. A loan of \$150.00 having been granted to the House for the equipment of the parlor,

this amount was expended in the purchase of a lounge, window-seat, curtains, picture, table, and globes for gas fixtures.

At a regular meeting of the House held January 12, 1894, a committee was appointed to provide daily papers and periodicals for the parlor. At the same time another committee of five were elected to coöperate in developing the social life of the House among the members and guests. General receptions being a practical impossibility owing to limitations in space, it was enacted that "The Head of the House shall be empowered to permit the giving of receptions by individual members in the House parlor, and that on such an occasion the parlor and equipment shall be placed at the disposal of the members thus entertaining."

Three serious obstacles make the development of the social life of Graduate Hall especially difficult: (1) The lack of strong common bonds between the instructors, graduate students and academic students constituting the membership. (2) The limitations of space, the parlor not being large enough to accommodate one-half of the members at once. (3) The fact that the greater number of the members are graduate students, and hence have little time, aside from their work, for social intercourse. The problem being a peculiar one cannot be met by the ordinary methods. The social side of the House life must be accommodated to the work. And yet the value of the few moments devoted to social intercourse cannot be overestimated. To employ these most pleasantly and profitably is what is required; and it is felt that the periodicals and an embryo butler's pantry, combined with good fellowship, are doing much to meet this requirement.

SNELL HOUSE.

Snell House was organized at a meeting held in the University Chapel October 4, 1893. The officers are: Head of House, A. A. STAGG; Counselor, Professor H. P. Judson; House Committee, J. Lamay, J. E. Raycroft, P. Rand, and H. C. Lozier; Treasurer, P. F. Carpenter. Mr. Carpenter was elected to fill the vacancy caused by the resignation of William Rullkoetter.

MEMBERS.

Atwood, H., Axelson, G. W., Barrett, C. R., Carpenter, P. F., Church, H. B., Colnon, A. T., Dickerson, S. C., Dibell, C. D., Dougherty, H., Dougherty, R., Fox, H. W., Gale, H. G., Grant, G. K., Hardesty, J., Hartley, C. E., Harvey, S., Hering, F. E., Hesse, B. C., Hoebeke, C. J., Hosie, J. H., Howard, H. C., Hulshardt, J., Hunter, J. F., Johnson, R. H., Kohlsaadt, P., Lamay, J., Leiser, J., Lozier, H. G., Macomber, C. C., Marsh,

I. C., Maxwell, F. H., Mitchell, P. S., Mosser, I. C., Munhardt, W., Nichols, F. D., Northrop, F., Pascal, J., Peterson, H. A., Raycroft, J. E., Rullkoetter, W., Rice, E. W., Sass, L., Shallis, G. W., Simpson, B. J., Sperans, J., Stowell, R. G., Tanaka, K., Tooker, R. N., Vanderploeg, B., Voight, J., Wieland, O. E., Williams, J., Williams, J. W., Willis, H. P., Wilson, W. O., Wolf, H. D., Wright, S. E., Wyant, A. M. Total, 58.

THE CHIEF EVENT IN THE HISTORY OF THE HOUSE

Was the formal opening of the Club Room on Monday, January 22, when a reception was given. This room has been beautifully finished with oak wainscoating and oak floor, the result of a donation of \$250.00 from the Board of Trustees.

BEECHER HOUSE.

Organization.—Heads, MISSES ELIZABETH WALLACE and FRANCES BROWN; Counselor, Dr. Frank Miller; House Committee, Misses Cutler, Scofield, Williston, Wallace and Brown.

MEMBERS.

Misses Agerter, Battis, Brown, Clark, Cornish, Crandall, Crotty, Cutler, Davis, Dawes, Farr, Foster, Gilbert, E. T., Gilpatrick, Goodspeed, Mrs. Gray, Misses Heron, Hubbard, Kerr, Klock, Livingstone, McCasky, Maynard, Mitchell, Osgood, Porter, Reese, Scofield, Sturgis, Thompson, Van Vliet, Walker, Wallace, Wallin, Wilmarth, Williston, Wolfe, Wollpert.

GUESTS.

Misses Crouther, Gilbert, G. P., Judson. Total, 41.

TREASURER'S REPORT.

Received for guest room-rent during October, \$53.00; November, \$6.75; December, \$2.75. Total, \$62.50.

Deduction for laundry, service, etc., \$5.00. Amount due the University, \$57.50. Received for furniture tax, \$82.50.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

The House organized at the beginning of the Autumn Quarter with fourteen members, and at the beginning of the second term twenty-four students of the University, who had been guests during the first term, became members by the vote of the House. Official receptions are held on the first Monday of every month. The House received, on the occasion of its first reception, the present of a jardinière from Mrs. Wilmarth. The guests of the House, during the first term, presented to Beecher a tea table. Mrs.

Beecher gave the House a Christmas present of a grand piano. Mrs. W. B. Walker furnished the parlor with two couches, two arm chairs, a rocking chair, stool, table and cover, a palm, lamp, and cushions. Mr. Silas Cobb loaned two oil paintings. Mrs. Wilmarth, Mrs. C. M. Henderson, Miss Buckingham, Mrs. David Kelly, Mrs. James Walker, Mrs. Byron Smith, Mrs. A. A. Sprague, Mrs. J. J. Glessner, gave also sofa cushions to the House, as a Christmas present.

NANCY FOSTER HOUSE.

Organization.—Head, Miss MYRA REYNOLDS; Counselor, M. D. McClintock; House Committee, Laura A. Jones, Florence Walker, Mary Scarff; Entertainment Committee, Mary B. Hancock, Grace Jackson, Jane Weatherlow; Convenience Committee, Gertrude P. Dingee, Mary Spalding, Josephine Hutchings. The head of the House is *ex officio* member of all committees. Secretary and Treasurer, Gertrude P. Dingee.

MEMBERS.

Charter Members, Misses Barrett, Cooke, J., Daniels, Dingee, Foster, Jackson, Jones, Marot, Spalding, Scarff, Reynolds.

Guests invited to become members of the House in November: Misses Austin, Beardsley, Blaine, Bowen, Casteel, Clapp, Cook, Cooke E., Deaton, Dougherty, Ellis, Fenelon, Hancock, Hopkins, Hubbard, Hutchings, Kells, Love, Millard, Morgan, Nelson, Shafer, Strawn, Stebbins, Taylor, Weatherlow, Witt. Five of these declined to become members and continued as guests.

TREASURER'S REPORT.

Eighty-five dollars received and paid over. [2.50 still due.]

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

A House warming; two Monday receptions; Halloween celebration; meeting of the Classical Club; luncheon served to the teachers of the Cook County Association; Wellesley reception. The House maintains Wednesday evening prayer meetings and a Sunday morning song service.

KELLY HOUSE.

Organization.—Head, Miss MARION TALBOT; Counselor, Professor J. L. Laughlin; House Committee, Misses Ely, Pellett, Start, Lathe, Runyon, and McClintock.

MEMBERS.

Misses Almy, Butler, Cary; Mrs. Clark; Misses Comstock, Dirks, Diver, Downing, Ely, Hulbert, C., Kane, Lathe, McClintock, McDougal, McWilliams, B., Messick, Pellett, Perkins, Pettigrew, Purcell, Robertson, Roche, Runyon, Start, Sylla, Talbot, Tefft, and Woodward.

GUESTS.

Misses Ballou, France, Hardcastle, Hulbert, E. L., McWilliams, A., Niblock, and Smith, E. J.

TREASURER'S REPORT.

Amount received from furniture tax and paid to Mr. Grose, \$77.50.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

Receptions on November 13 and December 11, each attended by 150 members of the University and townspeople. Entertainment on November 25, given by the House toward a fund for the purchase of furniture. Amount raised \$40. Expended on parquetry floor for reception room.

THE REGISTRAR'S REPORT

The receipts from the room rents in the five dormitories were \$6,613.09. These were pretty evenly divided between the Halls, as follows: Snell Hall, \$1,649.01; Foster Hall, \$1,219; Kelly Hall, \$1,243; Beecher Hall, \$1,280.75; and Graduate Hall, \$1,220.66. The number of rooms occupied in the dormitories during the Quarter was as follows: In Snell Hall, with 64 rooms, every room was taken. In Graduate Hall, with 32 rooms, all were taken. In Beecher Hall, with 43 rooms, 37 were taken. In Kelly Hall, with 42 rooms, 35 were taken. In Foster Hall, with 48 rooms, 38 were taken. This makes, in total, 206 rooms occupied out of a possible 228.

THE UNIVERSITY COMMONS.

EXPENDITURES FOR THE AUTUMN QUARTER, 1893.

EQUIPMENT AND REPAIRS.				FRUIT AND VEGETABLES.			
Oct.	-	-	\$154 75	Oct.	-	-	\$531 34
Nov.	-	-	62 26	Nov.	-	-	176 46
Dec.	-	-	33 09	Dec.	-	-	41 75
			\$250 10				\$749 55
FUEL.				GROCERIES.			
Oct.-Dec.	Charcoal	-	\$22 50	Oct.	-	-	\$722 14
Oct.	Gas	-	68 20	Nov.	-	-	362 49
Nov.	"	-	124 80	Dec.	-	-	241 72
Dec.	"	-	92 00				\$1,326 35
			\$307 50				
ILLUMINATING GAS.				PASTRY.			
Oct.	-	-	\$	Oct.-Dec.	-	-	\$70 38
Nov.	-	-	43 23				
Dec.	-	-	36 45				
			\$79 68				
REMOVING GARBAGE.				ICE.			
Oct.-Dec.	-	-	\$48 00	Oct.	-	-	\$44 65
				Nov.	-	-	31 25
				Dec.	-	-	24 25
							\$100 15
HELP.				LAUNDRY.			
Oct.	Sundry	-	\$69 20	Oct.	-	-	\$93 73
Oct.	Pay roll	-	659 89	Nov.	-	-	32 20
Nov.	"	-	546 43	Dec.	-	-	11 62
Dec.	"	-	371 80				\$137 55
			\$1,647 32				
MILK.				Reduction in Stock as per			
Oct.	-	-	\$250 98	inventory Oct. 1, (\$714.61)			
Nov.	-	-	184 98	less invt. Dec. 31 (\$474.72)			
Dec.	-	-	104 12				239 89
			\$540 08				
MEAT.				Total Expenditure for Qr.			
Oct.	-	-	\$1,519 38	Total Expenditure less			
Nov.	-	-	879 59	Equipment and Repairs			
Dec.	-	-	495 56	(\$250.10)			
			\$2,894 27				8,141 02

REPORT OF THE AUDITOR OF DINING ASSOCIATION FOR THE AUTUMN QUARTER, 1893.

Number of persons taking meals each month : Oct., 150; Nov., 121; Dec., 83.

Number of meals served per month on commutation tickets : Oct., 1811; Nov., 3019; Dec., 2734.

In addition to the above single tickets were sold.

The price of these is 25c each. The number sold per month (since the Fair) has been about 400.

Average cost of board per week : Oct., \$3.82; Nov., \$3.63; Dec., \$3.29.

REGISTRAR'S CASH STATEMENT FOR AUTUMN QUARTER, 1893.

RECEIPTS.		DISBURSEMENTS.	
Balance on hand Oct. 1,	\$1,765 28	Treasurer of the University	\$35,267 37
Commons	6,285 42	Sundries	45 10
Examination fees	200 00		\$35,312 47
Matriculation fees	1,125 00		
Tuition, Library, and Incidentals	13,650 00		
Room rents	6,613 09		
Divinity, heat and light	771 00		
University Extension	4,508 20		
Library fines	14 25		
Laboratory fees	107 23		
Sundries	273 00		
	\$35,312 47		
		DORMITORY RECEIPTS ITEMIZED.	
		Snell Hall	\$1,649 10
		Foster Hall	1,219 67
		Kelly Hall	1,243 00
		Beecher Hall	1,280 75
		Graduate Hall	1,220 66
			\$6,613 09
		Receipts for Quarter	\$35,312 47
		Quarterly bills unpaid	2,256 33
			\$37,568 80

THE EMPLOYMENT BUREAU.

REGISTRATION.

SCHOOL.	NUMBER REGISTERED.	RECEIVED WORK.	RECEIVED NO WORK.
Graduate, -	35	25	10
Colleges, -	46	36	10
Divinity, -	12	9	3
Special, -	4	3	1
	<hr/> 97	<hr/> 73	<hr/> 24

OCCUPATIONS AND EARNINGS.

OCCUPATION.	NUMBER ENGAGED.	TOTAL AM'T EARNED.
Tutoring, - - -	8	\$138 00
Public School Teaching - -	10	1,180 00
Commons Work - - -	20	736 78
Building and Grounds - -	7	56 75
Clerking - - -	8	247 20
Stenography and Typewriting	12	247 52
Hotel and Housework - -	9	102 45
World's Fair Work - - -	3	54 00
Paper Carrying - - -	1	12 00
Newspaper Correspondence,	1	45 00
Canvassing - - -	3	2 00
	<hr/> 82	<hr/> \$2,821 70

MISCELLANEOUS.

Average amount earned in each situation, - \$34.41.

Number receiving more than one situation, - 9

Of the 24 not receiving work, there were :

9 Registered for some special teaching only.

2 Registered for future work only.

4 Offered work not accepted.

4 Women for whom suitable work was not found.

5 Registered late.

THE STUDENT'S FUND SOCIETY.

The Committee of the Faculty to consider applications for loans from the Student's Fund Society report as follows for the Autumn Quarter :

Applications Received:

1) Graduate Schools - - -	11
2) University Colleges - - -	4
3) Academic Colleges - - -	11
	<hr/>
Total - - -	26

Loans Recommended;

1) Graduate Schools - - -	2
2) University Colleges - - -	3
3) Academic Colleges - - -	3
	<hr/>
Total - - -	8

On the remainder action was deferred to the following Quarter.

The University Extension Division.

THE LECTURE-STUDY DEPARTMENT.

NATHANIEL BUTLER, JR., *Secretary.*

COURSES OFFERED DURING THE AUTUMN QUARTER.

II. POLITICAL ECONOMY.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.
Questions of Monopoly and Taxation.
Money.

III. POLITICAL SCIENCE.

MISS BROWN.

The United States ; The Making of a Nation.

MR. CONGER.

Historical and Political Geography.

IV. HISTORY.

PROFESSOR LAWRENCE.

The Growth of Democracy among the English-Speaking Peoples.
The Beginnings of English Freedom.
Some Great English Rulers and Statesmen.
The Puritans and their Political Work.
English Parties and American Independence.

PROFESSOR TERRY.

An Introduction to the Study of History.
The Ethnic Foundation of Modern Civilization.
Political Foundation of Modern Civilization.

ASSISTANT PROFESSOR THATCHER.

The History of the Middle Ages.
Mohammed, Mohammedanism, and the Crusades.

MR. GROSE.

The Political Development of the European Nations since 1792.
The Founding of the German Empire of To-Day.
Studies in the History of Europe from the French Revolution to the Present Time.
Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

MR. HODGIN.

American Discovery and Colonization.
American Revolutionary History.
The Great Compromises.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. POTTER.

The Colonial Era.
The Making of the Nation.

MR. WISHART.

Monks and Monasteries.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

ASSISTANT PROFESSOR HENDERSON.

Charities and Corrections.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.
The Native Races of North America.
Prehistoric Archæology of Europe.
Evolution.

MR. ZEUBLIN.

A Century of Social Reform.
The Industrial Revolution.
English Fiction and Social Reform.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Christianity and Social Science.
Means of Social Reform.

VII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

X AND XI. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.
Homer, the Iliad.
Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

DR. MILLER.

Virgil.

XIII. GERMANIC LANGUAGES AND LITERATURES.

ASSISTANT PROFESSOR CUTTING.

Goethe.

XIV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.

Ancient Tragedy for English Audiences.

Stories as a Mode of Thinking.

Spenser's Legend of Temperance.

Literary Criticism and Theory of Interpretation.

Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.

American Literature.

ASSISTANT PROFESSOR CROW.

Literature of the Age of Elizabeth. A Course

Preparatory to the Study of Shakespeare.

George Meredith.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

ASSISTANT PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.

English Romantic Poets from 1780 to 1830.

MR. TRIGGS.

Robert Browning.

MR. HOOPER.

American Prose Writers.

American Poets.

MR. OGDEN.

English Words.

History and Structure of English Speech.

Old English Life and Literature.

American Poets and Poetry.

MISS CHAPIN.

General Survey of American Literature.

Masterpieces of English Poetry.

XV. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR HIRSCH.

Religion in the Talmud.

The Jewish Sects.

Biblical Literature.

History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old Testament.

The Forgotten Empire and the Old Testament.

ASSISTANT PROFESSOR THATCHER.

The Apostolic Church.

DR. KENT.

Hebrew Prophecy studied in the Light of the Minor Prophets.

Social Philosophy of the Hebrews.

Hebrew Wisdom Literature.

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.

Sources and Relations of the Four Gospels.

Jewish and Christian Writings parallel with, but excluded from, Our Bible.

MR. ROOT.

The Life of Christ.

XVII. ASTRONOMY.

DR. SEE.

General Astronomy.

XVIII. PHYSICS.

ASSISTANT PROFESSOR STRATTON.

Sound.

MR. BELDING.

Elements of Electricity and Magnetism.

MR. CORNISH.

Hydrostatics and Pneumatics.

XIX. CHEMISTRY.

MR. MORSE.

General Chemistry.

Chemistry of Every-day Life.

XX. GEOLOGY.

PROFESSOR SALISBURY.

Landscape Geology.

The Evolution of the North American Continent.

XXII. ZOÖLOGY.

MR. BOYER.
Zoölogy.

MICROSCOPY.

MR. MORSE.
The Microscope and its Uses.

ART.

MR. FRENCH.
Painting and Sculpture.

MR. TAFT.

Ancient Sculpture.
Contemporary French Art.
German Art of the Nineteenth Century.
Art at the Columbian Exposition.

MR. SCHREIBER.
History of Art.

RUSSIAN LITERATURE.

DR. HOURWICH.
Studies in Russian Literature.

LIST OF SYLLABI PUBLISHED DURING THE QUARTER.

- | | |
|--|---|
| 38. BUTLER— <i>Some Studies in American Literature.</i> | 46. SEE— <i>Astronomy.</i> |
| 39. MOULTON— <i>Ancient Tragedy for English Audiences.</i> | 47. SHEPARDSON— <i>Social Life in the American Colonies.</i> |
| 40. ZEUBLIN— <i>A Century of Social Reform.</i> | 48. KENT— <i>Hebrew Prophecy Studied in the Light of the Minor Prophets.</i> |
| 41. HUNTER— <i>Roman, Barbarian, and Christian.</i> | 49. WISHART— <i>Monks and Monasteries.</i> |
| 42. MORSE— <i>Elements of Chemistry.</i> | 50. TERRY— <i>Baron and King: The Evolution of a Typical European Monarchy.</i> |
| 43. TAFT— <i>Ancient Sculpture.</i> | |
| 44. TAFT— <i>Contemporary French Art.</i> | |
| 45. SMALL— <i>First Steps in Sociology.</i> | |

LIST OF CENTRES,
With Address of Secretaries.

CENTRES IN CHICAGO.

- | | |
|--|--|
| All Souls—Mrs. E. T. Leonard, 6600 Ellis av. | Memorial—Mrs. L. A. Crandall, 4443 Berkley av. |
| Association—Mr. C. D. Lowry, 725 Washington Boul. | Newberry Library—Mr. George L. Hunter, Hotel Barry. |
| Chicago Kindergarten Club—Miss Mary J. Miller, 2535 Prairie av. | Oakland—Mr. J. A. Burhans, 204 Oakwood Boul. |
| Chicago Trade and Labor Assembly—Mr. M. R. Grady, 478 Marshfield av. | Owen Scientific—Dr. C. E. Bently, 277 State st. |
| Church of the Redeemer—Hon. S. N. Brooks, 271 Warren av. | Plymouth—Dr. C. E. Boynton, Hotel Everett, 3617-23 Lake av. |
| Centenary—Mr. A. E. Trowbridge, 97 Laflin st. | People's Institute—Mr. W. G. Clarke, 54 Campbell Park. |
| Drexel—Mr. C. L. Clapp, 5431 Cottage Grove av. | Ravenswood—Mrs. Anna L. Pitkin. |
| Englewood—Rev. R. A. White, 6638 Stewart av. | Robey St.—Mr. Howard E. Hall, 250 Warren av. |
| Hull House—Miss Jane Addams, 335 S. Halsted st. | Sinai—Miss Rose G. Kauffman, 3313 Calumet av. |
| Hyde Park—Mr. C. H. Smith, 4608 Lake av. | St. James—Miss Minnie R. Cowan, 2975 Wabash av. |
| Irving Park—Mrs. Ernest Pitcher. | St. Paul's—Miss Sarah Hanson, Cottage Grove av. and 31st st. |
| Kenwood—Mr. Chas. Loughridge, 4728 Greenwood av. | Tracy—Mr. T. A. Dungan, 159 La Salle st. |
| K. A. M. Knowledge Seekers—Rev. I. S. Moses, 3131 Prairie av. | Union Park—Dr. G. F. Washburne, 551 Jackson Boul. |
| Lake View—Mr. Frank H. McCulloch, 1113 The Rookery. | University—Mr. O. J. Thatcher, The University of Chicago. |
| Millard Av.—Miss Jessie Stiles, 1804 W. 22d st. | Wicker Park—Miss A. A. Deering, 23 Ewing Place. |

CENTRES OUTSIDE OF CHICAGO.

- Aurora (Ill.)**—Mrs. Agnes C. Willey.
Austin (Ill.)—Mr. S. R. Smith.
Arlington Heights (Ill.)—Mr. W. A. Newton, Box 35.
Belvidere (Ill.)—Miss Emma Feakins.
Blue Island (Ill.)—Mr. W. A. Blodgett.
Canton (Ill.)—Supt. C. M. Bardwell.
Detroit (Mich.)—Mr. H. A. Ford, 393 Second av.
Decatur (Ill.)—Mr. James Lindsay.
Dubuque (Ia.)—Miss E. E. Gehrig, 1036 White st.
Elgin (Ill.)—Miss Hattie B. Kneeland.
Freeport (Ill.)—Mr. J. F. Shaible.
Flint (Mich.)—Miss Emily E. West.
Galesburg (Ill.)—Pres. John H. Finley.
Galena (Ill.)—Miss Kate A. McHugh.
Geneseo (Ill.)—Mrs. W. H. Foster.
Geneva (Ill.)—Mr. H. H. Robinson.
Glencoe (Ill.)—Mrs. R. D. Coy.
Highland Park (Ill.)—Maj. H. P. Davidson.
Indianapolis (Ind.)—Miss Amelia W. Platter, 275 N. Meridian st.
Joliet (Ill.)—Miss Eva B. Crowe.
Kalamazoo (Mich.)—Mr. S. O. Hartwell.
La Moille (Ill.)—Mr. G. R. Lewis.
Lemont (Ill.)—Mr. S. V. Robbins.
La Salle (Ill.)—Miss Emma Werley.
La Porte (Ind.)—Miss Bessie Hailman.
La Fayette (Ind.)—Miss Helen Hand.
Lincoln (Ill.)—Rev. J. S. Wrightnour.
Maywood (Ill.)—Mr. P. W. Skemp.
Minneapolis (Minn.)—Miss S. F. Watts.
Morgan Park (Ill.)—Mr. R. B. Thompson.
Monmouth (Ill.)—Miss Mollie Wallace.
Oak Park (Ill.)—Miss Virginia R. Dodge.
Palatine (Ill.)—Miss Vashti Lambert.
Peoria (Ill.)—Mr. W. A. Brubaker.
Pekin (Ill.)—Miss S. Grace Rider.
Princeton (Ill.)—Mr. R. A. Metcalf.
Quincy (Ill.)—Mr. E. A. Clarke.
Riverside (Ill.)—Mr. A. W. Barnum.
Rockford (Ill.)—Mrs. G. A. Sanford, 407 N. Main st.
Rochelle (Ill.)—Mr. C. F. Philbrook.
Rogers Park (Ill.)—Mr. Frank Brown.
Round Table (Kankakee, Ill.)—Mr. A. Swannell.
Saginaw (Mich.)—Prof. W. W. Warner, 414 S. Jefferson av. E. S.
South Bend (Ind.)—Mrs. E. G. Kettring.
South Evanston (Ill.)—Mrs. W. M. Green.
Springfield (Ill.)—Supt. J. H. Collins.
Sterling (Ill.)—Mr. Curtis Bates.
Shurtleff College (Upper Alton, Ill.)—Dr. A. A. Kendrick.
Terre Haute (Ind.) State Normal School—Mr. A. R. Charman.
Toledo (Ohio)—Miss Nellie Donat.
Washington (Ia.)—Rev. Arthur Fowler.
Wheaton (Ill.)—Mr. Geo. Brewster.

DISTRICT ASSOCIATIONS.

- Cook County Association**—Mr. George Leland Hunter, Hotel Barry, Hyde Park.
Northern Illinois Association—Miss Flora Guiteau, Freeport, Ill.

STATEMENT OF WORK OF QUARTER.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
Association	F. L. Morse	General Chemistry	Nov. 11	100	30	4	3
Drexel	Lorado Taft	Contemporary French Art	" 13	350	10	4	2
Hyde Park	T. J. Lawrence	English Parties and American Independence ..	" 16	89	55	..	..
Kenwood	Chas. Zeublin	English Fiction and Social Reform	" 13	175	150	6	2
Kindergarten	Frederick Starr	Some First Steps in Human Progress	" 11	60	00	..	..
Lake View	A. W. Small	First Steps in Sociology	" 7	125	10	..	..
Newberry Library	Nathaniel Butler, Jr.	American Literature	" 10	210	85	18	13
"	W. M. R. French	Painting and Sculpture	Dec. 26	75	40	..	..
Oakland	Geo. L. Hunter	Roman, Barbarian and Christian	Nov. 13	75	26	4	5
St. James	H. B. Grose	Character Studies in Modern History	" 21	190	95	5	..
St. Paul's	Nathaniel Butler, Jr.	American Literature	" 7	275	200	22	30
Union Park	Lorado Taft	Ancient Sculpture	" 16	100	20	2	1
Wicker Park	T. J. Lawrence	Some Great English Rulers and Statesmen	" 14	120	50	4	3
	Lorado Taft	German Art of the Nineteenth Century	Oct. 3	60	..	..	..

CENTRES OUTSIDE OF CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
Belvidere	Chas. F. Kent	Hebrew Prophecy	Dec. 6	175	80	5	..
Flint, Mich.	F. W. Shepardson	Social Life in the American Colonies	Nov. 22	250	..	..	..
Galesburg	H. P. Judson	Period of Dominant Internal Development ..	" 3	200	50	..	..
Geneseo	Frederick Starr	Some First Steps in Human Progress	Oct. 5	200	150	4	2
Irving Park	E. W. Bemis	Money	Nov. 6	75	50	5	4
La Fayette Ind.	Nathaniel Butler, Jr.	American Literature	Oct. 14	125	100	5	5
Maywood	A. W. Wishart	Monks and Monasteries	Dec. 15	50	..	..	..
Monmouth	Nathaniel Butler, Jr.	English Literature	Oct. 16	125	120	4	..
Morgau Park	R. D. Salisbury	Landscape Geology	Nov. 10	100	30	15	13
Oak Park	W. M. R. French	Painting and Sculpture	Oct. 27	75	3	..	..
Palatine	Frederick Starr	Some First Steps in Human Progress	Nov. 3	175	150	1	1
Pekin	Chas. Zeublin	English Fiction and Social Reform	" 8	90	85	3	3
Peoria	"	The Industrial Revolution	" 7	90	85	2	..
Princeton	Frederick Starr	Some First Steps in Human Progress	" 10	275	..	..	..
Quincy	Chas. Zeublin	English Fiction and Social Reform	" 10	180	180	1	..
Riverside	"	A Century of Social Reform	Dec. 9	75	75	..	..
Rogers Park	R. D. Salisbury	Landscape Geology	Nov. 25	90	75	..	..
Saginaw, Mich.	F. W. Shepardson	Social Life in the American Colonies	Dec. 19	250	..	..	..
Springfield	Chas. Zeublin	English Fiction and Social Reform	Nov. 9	175	150	6	1
Sterling	Nathaniel Butler, Jr.	American Literature	" 15	225	150	4	..
Wheaton	T. J. J. See	General Astronomy	" 20	125	85	..	..

THE CLASS-WORK DEPARTMENT.

During the Quarter a large number of courses was offered, but because of many hindrances only one class, in Latin, was actually organized, as follows :

Place, Athenæum.

Began, November 4.

Ends, January 27.

Subject, Cicero's Tusculan Disputations.

Instructor, Dr. Miller.

Number of Students, 15.

Number of classes, 1. Number of Matriculations, 5.

No examinations were held during the quarter.

CORRESPONDENCE TEACHING DEPARTMENT.

Number of courses offered, 83.

ACADEMY AND ACADEMIC COURSES.

NAME OF COURSE.	INSTRUCTOR AND READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.
Latin.	Miss Pellett.	12	63
Greek.	Mr. Bronson.	4	35
Mathematics.	Mr. Hoover.	11	38
Pol. Economy.	Dr. West.	2	6
Rhetoric.	Mr. Lovett.	3	8
Eng. Literature.	Asst. Prof. McClintock.	16	60
Tennyson and Browning.	Mr. Triggs.	2	2
Hist. of the Middle ages.	Asst. Prof. Thatcher.	4	15
Hist. of the U. S.	Dr. Shepardson.	2	47

UNIVERSITY COLLEGES.

NAME OF COURSE.	INSTRUCTOR.	READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.
Psychology.	Asst. Prof. Strong.	Mr. Sisson.	7	16
Logic.	Asst. Prof. Tufts.	Asst. Prof. Tufts.	1	1
Bib. Lit. in Eng.	—————	Mr. Woodruff.	324	110
Semitic Languages.	—————	Dr. Crandall.	203	300
Arabic.	Dr. Sanders.	Dr. Sanders.	2	5
N. T. Greek.	—————	Mr. Votaw.	68	102

GRADUATE AND DIVINITY COURSES.

SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS.
Philosophy.	Asst. Prof. Tufts.	2
Political Science	Prof. Judson.	5
American History.	Dr. Shepardson.	1
Social Science and Anthropology.	Assoc. Prof. Henderson.	3
Geology.	Prof. Chamberlin.	1

LIBRARY DEPARTMENT.

ZELLA ALLEN DIXSON, *Secretary.*

ADDITIONS TO THE UNIVERSITY EXTENSION LIBRARY.

II. POLITICAL ECONOMY.

Edward W. Bemis, Questions of Monopoly and Taxation. 1 Library of 30 vols. Winter Quarter.

IV. HISTORY.

Benjamin S. Terry, History. 1 Library of 100 vols. Winter Quarter.

Francis W. Shepardson, Social Life in American Colonies. 2 Libraries of 62 vols. each.

George Leland Hunter, Roman, Barbarian, and Christian. 1 Library of 71 vols.

Alfred W. Wishart, Monks and Monasteries. 1 Library of 30 vols.

V. SOCIAL SCIENCE.

Albion W. Small, First Steps in Sociology. 2 Libraries of 50 vols. each.

Charles Zeublin, Century of Social Reform. 1 Library of 15 vols.

Charles Zeublin, Social Reform in Fiction. 2 Libraries of 50 vols. each.

XIV. ENGLISH.

Nathaniel Butler, Jr., American Literature. 3 Libraries of 89 vols.

XV. BIBLICAL LITERATURE IN ENGLISH.

Charles F. Kent, Hebrew Prophecy. 2 Libraries of 50 vols. Winter Quarter.

XVII. ASTRONOMY.

T. J. J. See, General Astronomy. 1 Library of 6 vols.

XIX. CHEMISTRY.

Frank L. Morse, General Chemistry. 1 Library of 17 vols.

XX. GEOLOGY.

Rollin D. Salisbury, Landscape Geology. 1 Library of 26 vols.

ART.

W. M. R. French, Painting and Sculpture. 1 Library of 21 vols.

Lorado Taft, Contemporary French Art. 1 Library of 6 vols.

LIBRARIES NOW READY FOR USE.

II. POLITICAL ECONOMY.

- Edward W. Bemis, Questions of Labor and Social Reform.* 2 Libraries of 50 vols.
Edward W. Bemis, Money. 1 Library of 32 vols. and 75 pamphlets.
Edward W. Bemis, Questions of Monopoly and Taxation. 1 Library of 30 vols.

IV. HISTORY.

- Harry Pratt Judson, American Political History.* 2 Libraries of 37 vols.
Benjamin S. Terry, History. 1 Library of 100 vols.
Oliver J. Thatcher, History of the Middle Ages. 2 Libraries of 46 vols.
Howard B. Gross, Political Development of European Nations Since 1782. 1 Library.
Francis W. Shepardson, American Colonial History. 2 Libraries of 15 vols.
Francis W. Shepardson, Social Life in American Colonies. 1 Library of 62 vols.
George Leland Hunter, Roman, Barbarian, and Christian. 1 Library of 71 vols.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

- Albion W. Small, First Steps in Sociology.* 2 Libraries of 30 vols.
Charles R. Henderson, Charities and Corrections. 1 Library of 34 vols.
Frederick Starr, Some First Steps in Human Progress. 4 Libraries of 58 vols.

ART.

- W. M. R. French, Painting and Sculpture.* 1 Library of 21 vols.

- Lorado Taft, Contemporary French Art.* 1 Library of 6 vols.
Charles Zeublin, A Century of Social Reform. 2 Libraries of 36 vols.
Charles Zeublin, Social Reform in Fiction. 3 Libraries of 61 vols.

XIV. ENGLISH.

- Nathaniel Butler, Jr., English Literature.* 2 Libraries of 50 vols.
Nathaniel Butler, Jr., American Literature. 5 Libraries of 89 vols.

XV. BIBLICAL LITERATURE IN ENGLISH.

- Ira M. Price, Monumental Witnesses.* 1 Library of 15 vols.
Charles T. Kent, Hebrew Prophecy. 2 Libraries of 50 vols.

XVII. ASTRONOMY.

- T. J. J. See, General Astronomy.* 1 Library of 6 vols.

XIX. CHEMISTRY.

- Frank L. Morse, General Chemistry.* 1 Library of 17 vols.

XX. GEOLOGY.

- Rollin D. Salisbury, Landscape Geology.* 2 Libraries of 53 vols.

LIBRARY STATISTICS.

Total number of volumes in the University Extension Library	- - - - - 940
Number of volumes in use during the last quarter	750
Number of volumes sold	- - - - - 70

THE EDITORIAL DEPARTMENT.

THE UNIVERSITY EXTENSION WORLD is now in its third volume. It is published monthly and contains, beside the official statements of the University Extension Division, a varied range of matter which is of

interest to University Extension organizers and others who are identified with the University Extension work.

The University Library and Libraries.

During the Autumn Quarter there have been added to the Library of the University a total number of 2885 new books from the following sources:

Books added by purchase, 2019 vols.

Distributed as follows:

General Library, 110 vols.; Philosophy, 43 vols.; Political Economy, 125 vols.; Social Science, 80 vols.; Anthropology, 12 vols.; Comparative Religion, 1 vol.; Semitic, 3 vols.; New Testament, 27 vols.; Philology, 94 vols.; Greek, 40 vols.; Latin, 132 vols.; Romance, 690 vols.; German, 24 vols.; English, 126 vols.; Mathematics, 4 vols.; Astronomy, 4 vols.; Physics, 16 vols.; Chemistry, 5 vols.; Geology, 20 vols.; Biology, 375 vols.; Divinity, 68 vols.

Books added by gift, 777 vols.

Distributed as follows:

General Library, 330 vols.; Political Economy, 168 vols.; Social Science, 5 vols.; Anthropology, 3

vols.; English 25 vols.; Geology, 226 vols.; Divinity, 20 vols.

Books added by exchange for University Publications, 89 vols.

Distributed as follows:

Journal of Political Economy, 10 vols.; Journal of Geology, 6 vols.; University Extension World, 39 vols.; Biblical World, 34 vols.

Library Correspondence.

Total number of post-office letters sent from the Librarian's office, 748.

Letters soliciting books for review, exchange with University Publications and general business, as follows: Foreign, 110; United States, 441; Postals, 46; Gift Notices, 197 Postals; Fines, 61 Postals.

Money collected on Library fines for the Quarter, \$15.40.

The University Press.

THE PUBLISHING DEPARTMENT.

PERIODICALS ISSUED FROM THE UNIVERSITY PRESS.

OCTOBER-DECEMBER, 1893.

THE JOURNAL OF POLITICAL ECONOMY.

Quarterly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 75 cents.

Number issued, 1,000; number of subscribers, 335; additions to subscription list during the quarter, 54.

Vol. II, No. 1, December, 1893. pp. 1-178.

Italian Banking Crisis, by Richard Dalla Volta.—*German Labor Colonies and the Unemployed*, by James Mavor.—*Protective Purpose of the Tariff Act of 1789*, by Wm. Hill.—*Walker's Shares in Distribution*, by Fred'k Chas. Hicks.—NOTES.—*Miscellanies: Wages and Prices in England*.—BOOK REVIEWS.—APPENDICES.—I. *Reaction in Favor of the Classical Political Economy*, by J. S. Nicholson.—II. *Monetary and Financial Chronicle, 1892-93*, by Arthur I. Street.

THE JOURNAL OF GEOLOGY.

Eight numbers yearly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 50 cents.

Number issued, 600; number of subscribers, 216; additions to subscription list during the quarter, 39.

Vol. I, No. 7, October-November. 639-751.

Geologic Time as Indicated by the Sedimentary Rocks of North America, by Chas. D. Walcott.—*On the Origin of the Pennsylvania Anthracite*, by Jno. J. Stevenson.—*The Basic Massive Rocks of the Lake Superior Region*, by W. S. Bayley.—*On the Geological Structure of the Mount Washington Mass of the Taconic Range. Plates III, IV*, by Wm. H. Hobbs.—EDITORIALS.—REVIEWS.—*Correlation Papers. The Newark System: ISRAEL COOK RUSSELL*, by Wm. M. Davis.—*Text-Book of Comparative Geology: E. KAYSER, Ph.D.*, by Rollin D. Salisbury.—*Iowa Geological Survey vol. I. First Annual Report, SAMUEL CALVIN*, State Geologist, by C. H. Gordon.

Vol. I, No. 8, November-December, 1893. pp. 753-871.

The Supposed Glaciation of Brazil, by John C. Branner.—*Causes of Magmatic Differentiation*, by Helge Backström.—*The Geological Structure of the Housatonic Valley Lying East of Mount Washington. Plates V, VI, VII*, by Wm. H. Hobbs.—*The Newtonville Sand-Plain*, by F. P. Gulliver.—*The Structures, Origin, and Nomenclature of the Acid Volcanic Rocks of South Mountain*, by F. Bascom.—STUDIES FOR STUDENTS: *Genetic Relationships among Igneous Rocks*, by Joseph P. Iddings.—EDITORIALS.—REVIEWS: *Recent Contributions to the Subject of Dynamometamorphism: A. HEIM, C. SCHMIDT, L. MILCH, M. P. TERNIER*, by Geo. H. Williams.—*Text-Book of Geology: SIR ARCHIBALD GEIKIE*, by R. D. Salisbury.—*Bodengestaltende Wirkungen der Eiszeit: DR. AUG. BOHM*, by Wm. M. Davis.—ANALYTICAL ABSTRACTS OF CURRENT LITERATURE.—Conditions

of *Appalachian Faulting*, Bailey Willis and C. W. Hayes, 861.—*Ueber Geröll-Thonschiefer glacialen Ursprungs in Kulm des Frankenwaldes*, by Ernest Kalkowski.—ACKNOWLEDGMENTS.

THE BIBLICAL WORLD.

Monthly. 8vo. \$2.00 per volume. Foreign countries \$2.50. Single Copies, 20 cents.

Number issued, 3,000; number of subscribers, 2,180; additions to subscription list during the quarter, 106.

Vol. II (New Series), No. 4, October, 1893. pp. 241-320.

EDITORIALS.—*A Study of the Form and Contents of the Song of Songs*, by Prof. A. S. Carrier.—*An Ancient Letter Somewhat Modernized in Style*, by Ernest D. Burton.—*The Self Consciousness of Jesus, I*, by T. H. Root.—*On the Date of the Crucifixion, IV*, The Rev. Arthur Wright.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—EXPLORATION AND DISCOVERY: *Some Egyptian Names in Genesis; A New Inscription of the Oldest Period, etc.*, by James Henry Breasted.—SYNOPSIS OF IMPORTANT ARTICLES.—NOTES AND OPINIONS.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. II (New Series), No. 5, November, 1893. pp. 321-400.

EDITORIAL.—*The Apostle Paul's Mysticism*, by Prof. Edwd. Y. Hincks.—*Biblical Criticism in Some of its Theological and Philosophical Relations, I*, by Rev. James Ten Broeke, Ph.D.—*The Historical Character of the Narratives of the Patriarchs, I*, by Prof. Lewis B. Paton.—*The Self-Consciousness of Jesus, II*, by T. H. Root.—*Schultz's Old Testament Theology*, by Rev. W. P. McKee.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—EXPLORATION AND DISCOVERY: *Some Notes from Palestine*, by Dean A. Walker.—SYNOPSIS OF IMPORTANT ARTICLES.—NOTES AND OPINIONS.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. II (New Series), No. 6, December, 1893. pp. 401-480.

EDITORIAL.—*Is Genesis 21:9-21, a Duplicate of Genesis 16:5-14*, by Prof. Edwin Cone Bissell, D.D.—*The Self Consciousness of Jesus, III*, by T. H. Root.—*The Historical Character of the Narratives of the Patriarchs, II*, by Prof. Lewis B. Paton.—*Realism in Psalm, 23:1-3*, by Dean A. Walker.—*Paul's Visit to Jerusalem*, by Prof. W. J. Beecher.—*Biblical Criticism in Some of its Theological and Philosophical Relations, II*, by Rev. Jas. Ten Broeke, Ph.D.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—EXPLORATION AND DISCOVERY: *Zaphenath Paneah and the Date of Genesis*, by Rev. C. M. Coburn, Ph.D.—SYNOPSIS OF IMPORTANT ARTICLES.—NOTES AND OPINIONS.—WORK AND WORKERS.—COMPARATIVE RELIGION NOTES.—BOOK REVIEWS.—CURRENT LITERATURE.

THE UNIVERSITY EXTENSION WORLD.

Monthly. 8vo. \$1.00 per year, postage prepaid. Single numbers, 10 cents.

Number issued, 1,000; number of subscribers, 88; additions to subscription list during the quarter, 14.

Vol. II, No. 4, October, 1893. pp. 135-167.

Frontispiece, Thos. J. Lawrence.—EDITORIAL.—*The Lecture-Study and Its Functions*, by Thos. J. Lawrence.—*The Universities and the Workingmen*, by Chas. Zeublin.—*Bible Study in the West*, by Chas. F. Kent.—*University Extension in Belgium*, by Emil Maxweiler.—*A Student's Notes*, by Mary H. Welch.—SAMPLE TICKETS.—LONDON CORRESPONDENCE.—THE WORK AND THE WORKERS.—OXFORD SUMMER MEETING SCHOLARSHIPS.—UNIVERSITY EXTENSION CLASS WORK AT CHICAGO ATHENÆUM.—LOCAL CENTRES AND SECRETARIES IN THE NORTH-WEST.

Vol. II, No. 5, November, 1893. pp. 169-201.

Frontispiece, Edward W. Bemis.—EDITORIAL.—*Reminiscences of the Earliest University Extension in the United States*, by Edward W. Bemis.—*Fundamental Principles of University Extension. IV, Right Methods of Study*, by Jessie D. Montgomery.—*The Paper Work*, by Lyman P. Powell.—*The Fourth Summer Meeting at Cambridge*, by W. H. Mace.—*University Extension in Iowa*, by Jas. A. Rohback.—LONDON CORRESPONDENCE.—THE WORK AND THE WORKERS.—BOOK NOTES.—LOCAL CENTRES AND SECRETARIES IN THE NORTH-WEST.

Vol. II, No. 6, December, 1893. pp. 203-243.

Frontispiece, Oliver J. Thatcher.—EDITORIAL.—*Inter-Collegiate University Extension, I*, by F. W. Shepardson. II, by N. Butler. III, by Charles Zeublin.—*The Urania Gesellschaft of Bertin*, by Oliver J. Thatcher.—*Fundamental Principles of University Extension, V, Emulation and Association*, by Jessie D. Montgomery.—*Roman Catholics and University Extension in*

the United States, by Frances Etten.—*The Ideal Local Committee*, by Elizabeth A. Lawrence.—*How to Advertise a Local Centre*, by Geo. L. Hunter.—NOTES FROM STUDENTS.—A SAMPLE LOCAL CIRCULAR.—THE WORK AND THE WORKERS.—BOOK NOTES.—LOCAL CENTRES AND SECRETARIES IN THE NORTH-WEST.

BOOKS AND PAMPHLETS PUBLISHED.

BURTON: *Moods and Tenses of New Testament Greek*. 8vo, pp. xxii-215, price \$1.50. 1,000 copies issued.

SYLLABI OF UNIVERSITY EXTENSION LECTURES
PUBLISHED DURING THE QUARTER.

	NO.	ISSUED.	PAGES.	CTS.
1 BUTLER: <i>English Literature</i>	1,000	20	10	
23 GROSE: <i>Character Studies in Modern History</i>	500	12	10	
38 BUTLER: <i>Some Studies in American Literature</i>	1,900	16	10	
39 MOULTON: <i>Ancient Tragedy for English Audiences</i>	2,000	36	15	
40 ZEUBLIN: <i>A Century of Social Reform</i>	1,000	20	20	
41 HUNTER: <i>Roman, Barbarian and Christian</i>	1,000	14	10	
42 MORSE: <i>Elements of Chemistry</i>	1,000	16	20	
43 TAFT: <i>Ancient Sculpture</i>	500	15	10	
44 TAFT: <i>Contemporary French Art</i>	1,000	32	15	
45 SMALL: <i>Social Science</i>	500	20	10	
46 SEE: <i>Astronomy</i>	500	12	10	
47 SHEPARDSON: <i>Social Life in American Colonies</i>	1,000	16	10	
48 KENT: <i>Hebrew Prophecy, Studied in the Light of the Minor Prophets</i>	400	18	10	
49 WISHART: <i>Monks and Monasteries</i>	250	16	10	
50 TERRY: <i>Baron and King, the Evolution of a Typical European Monarchy</i>	350	27	15	

THE BOOK, PURCHASE, AND SALE DEPARTMENT.

1. Books purchased for the University, classified according to departments:

Philosophy, \$27.60; Political Economy, \$255.51; History, \$28.55; Social Science, \$6.93; Anthropology, \$12.20; Semitic, \$5.43; Sinai-Semitic Fund, \$20.50; New Testament, \$101.33; Sanskrit and Comparative Philology, \$34.01; Greek, \$480.77; Latin, \$134.50; Romance, \$2.32; German, \$49.58; English, \$200.99; Mathematics, \$4.36; Physics, \$3.85; Chemistry, \$25.55; Geology, \$1.45; Zoölogy, \$66.16; Divinity, \$6.00; General Library, \$21.20; Univ. Ext. Loan Library, \$507.26. Total, \$1,996.05.

2. Books purchased for departments:

English, \$303.35; German, \$752.82; French, \$53.28; American, \$886.60. Total, \$1,996.05.

3. Apparatus purchased, classified according to departments:

Astronomy, \$4.20; Physics, \$2,829.38; Chemistry, \$1,741.65; Geology, \$832.53; Zoölogy, \$212.98; Morgan Park Acad., \$175.61. Total, \$5,796.35.

4. Supplies purchased for the University, classified according to a) Departments:

Latin, \$1.05; English, \$2.07; Physics, \$39.18; Chemistry, \$52.87; Zoölogy, \$54.46; Divinity, \$1.15; General Library, \$13.39; Univ. Extension, \$26.98; Univ. Ext. Loan Library, \$9.22.

b) Offices:

President's, \$11.45; Dean's, \$20.24; Secretary's, \$14.93; Registrar's, \$22.17; Examiner's, \$14.34; Recorder's, \$2.70; University Extension, \$29.86. Total, \$316.06.

5. Books and Stationery purchased for the Book-store, \$5,147.08.

6. Books and Stationery sold through the Book-store: Cash, \$4,159.54; charge, \$955.66. Total, \$5,115.20.

7. Expenses for quarter for salaries of managers, stenographers and clerks, \$1,013.08.

The University Affiliations.

REPORT FOR AUTUMN QUARTER, 1893.

DES MOINES COLLEGE.

(DES MOINES, IOWA)

HERBERT LEE STETSON, *President.*

List of Instructors, with Number and Character of Courses:

- Blakeslee, T. M.** 1 DM. (Trigonometry); 1 M. (Analytic Geometry); 1 DM. (Plane Geometry); 1 DM. (Economics).
- Goodell, F. E.** 1 DMM. (General Chemistry); 1 M. (Qualitative Analysis); 1 DM. (General Physics); 1 DM. (Experimental Physics).
- Goodrich, H. L.** 1 DM. (English Grammar); 1 DM. (Elementary Rhetoric); 1 DM. (weekly rhetoricals).
- Harris, G. E.** 1 M. (Xenophon); 1 MM. (Herodotus); 1 MM. (Xenophon); 1 M. (Iliad).
- Price, A. B.** 1 MM. (Virgil); 1 M. (Cicero, De Senectute); 1 M. (Horace); 1 M. (Virgil); 2 DM. (Review Latin).
- Schoemaker, D. M.** 3 DM. (German).
- Stephenson, G. H.** 1 DM. (American Literature); 1 DM. (French).
- Stephenson, T. P.** 1 DM. (Rhetoric); 1 M. (Logic); 1 DM. (Biblical Literature); 1 M. (Lysias); 1 DM. (weekly rhetoricals).
- Stetson, H. L.** 1 DM. (History); 1 DM. (Psychology); 1 MM. (History).
- Wheeler, F. E.** 1 MM. (Latin); 1 MM. (Algebra); 1 MM. (Arithmetic); 1 M. (Arithmetic).

Departments:

No. of Courses.	Students.
Philosophy: 3 (1 DM.; 1 M.);	7
Economics: 1 (1 DM.);	4
History: 4 (1 DM.; 1 MM.);	42
Greek: 5 (2 MM.; 3 M.);	28
Latin: 6 (2 MM.; 3 M.; 2 DM.);	76
French: 2 (1 DM.);	5
German: 2 (3 DM.);	26
English: 6 (6 DM.);	44
Math.: 6 (2 MM.; 2 DM.; 2 M.)	56
Chemistry: 3 (1 DMM.; 1 M.)	10
Physics: 2 (2 DM.);	14

States and countries from which students have come:

Illinois; Iowa; Kansas; Nebraska; Prince Edward's Island.

Number of Students:

Enrolled during Autumn Quarter, 144.
Discontinuing at end of Autumn Quarter, 21.
Entering at beginning of Winter Quarter, 10.
Attendance for current Quarter, 134.

Distribution of Students leaving:

Permanently, 5. Temporarily, 16.
Changing school, 0.

Degrees conferred, 0.

MORGAN PARK ACADEMY.

(MORGAN PARK)

GEORGE NOBLE CARMAN, *Dean.*

List of Instructors, with Number and Character of Courses:

- Burgess, I. B.** 1 MM. (Beg. Latin); 1 DM. (Virgil); 1 M. (Cæsar); 1 DM. (Cicero).
- Robertson, Miss L.** 2 MM. (Beg. German); 1 MM. (Adv. German); 1 M. (Adv. German).
- Cornish, R. H.** 1 DM. (Physics); 1 DM. (Geology).

- Bronson, F. M.** 1 MM. (Adv. Greek); 1 MM. (Beg. Greek); 1 MM. (Greek History).
- Caldwell, E. L.** 1 MM. (Geometry); 1 M. (Adv. Algebra); 1 MM. (Beg. Algebra).
- Chase, W. J.** 1 MM. (English); 1 M. (English); 1 M. (Arithmetic); 1 MM. (Arithmetic).
- Carman, G. N.** 1 DM. (English); 1 MM. (Rhetoric).

Departments :

NO. OF COURSES.	STUDENTS.
History : 2 (1 MM.);	33
Greek : 4 (2 MM.);	8
Latin : 7 (1 MM.; 2 DM.; 1 M.);	70
German : 7 (3 MM.; 1 M.);	42
English : 7 (2 MM.; 1 DM.);	64
Mathematics : 8 (3 MM.; 2 M.);	29
Science : 4 (2 DM.);	30

States and Countries from which Students Have come :

Alabama, 2; Arkansas, 1; California, 2; Illinois, 65; Indiana, 2; Iowa, 5; Michigan, 4;

Mississippi, 1; Missouri, 5; Montana, 2; Nebraska, 3; New York, 2; Ohio, 3; Pennsylvania, 1; South Dakota, 1; Texas, 2; Virginia, 1; Washington, 1; Wisconsin, 7. Hawaii, 1.

Number of Students :

Enrolled Autumn Quarter, 103.
Discontinuing at end of Autumn Quarter, 8.
Entering at beginning of Winter Quarter, 8.
Attendance for Current Quarter, 103.

Distribution of Students leaving :

Temporarily, 3. Permanently, 4.
Changing School, 0. Entering College, 1.

THE HARVARD SCHOOL.

(CHICAGO.)

JOHN J. SCHOBINGER, *Principal.**List of Instructors, with Number and Character of Courses :*

Emery, S. 2 M. (English); 1 DM. (English History); 2 M. (Cæsar); 2 M. (Virgil); 3 DM. (Mathematics: Algebra, S. Geom., and Pl. Geom.)

Ford, W. H. 2 M. (English); 1 MM. (Beginners' Greek); 1 DMM. (Beg. Latin); 1 DM. (Virgil); 1 MM. (Algebra).

Grant, J. C. 1 DMM. (Beg. Latin); 1 DMM. (Cæsar).

Heinrichs, Miss C. L. 2 MM. (Beg. German); twice 1 DM. (Adv. German).

Leland, S. 1 DM. (English); 1 DM. (Xenophon's Anabasis); 1 DM. (Homer); 1 DM. (Greek History); 1 D.M. (Cæsar); 1 DM. (Cicero).

Liebard, L. 2 MM. and 1 DM. (Beg. French); 1 DM. (2d year French); 1 DM. (3d year French).

Lyon, E. P. 2 DM. (English); 1 M. Unit. States History); 2 DM. (Arithmetic); 2 DM. (Element. Science).

Schobinger, J. J. 1 DM. (Pl. Geom.); 1 DM. (Algebra); 1 DM. (Physics).

Departments :

NO. OF COURSES.	STUDENTS.
History : 5 (2 DM.; 1 M.);	47
Greek : 5 (1 MM.; 2 DM.);	35
Latin : 16 (4 M.; 6 DM.);	90
French : 10 (3 MM.; 3 DM.);	16
German : 6 (2 MM.; 2 DM.);	13
English : 10 (4 M.; 3 DM.);	100
Math.: 15 (7 DM.; 1 MM.);	100
Science : 6 (3 DM.);	36

States from which Students have come :

Illinois, 98; Ohio, 1; Indiana, 1.

Number of Students :

Enrolled Autumn Quarter, 100.
Discontinuing at the end of Autumn Quarter, 2.
Entering at beginning of Winter Quarter, 3.
Attendance for current Quarter, 101.

Distribution of Students leaving :

Permanently, 0. Temporarily, 1.
Changing school, 1. Entering college, 0.

KENWOOD INSTITUTE.

(CHICAGO)

JOHN C. GRANT, *Principal*.

List of Instructors, with Number and Character of Courses:

Butts, A. E. 1 DM. (History).
 Clement, E. W. 1 DM. and 1 M. (English); 1 MM. and 1 M. (Xenophon's Anabasis); 1 MM. and 1 M. (Virgil).
 Faulkner, E. 1 MM. and 1 M. (Beg. Greek); 1 MM. (Beg. Latin); 2 M.; 1 MM. and 1 M. (Cæsar).
 Schmitt, E. 3 DM. (French); 1 DM. and 1 M. (German).
 Sherwood, T. History: 1 DM. (General); 1 M. (Engl.); 1 M. and 1 DM. (Unit. States).
 Stone. 2 DM. (Arithm.); 1 DM. (Elem. Physics).
 Wedgewood, M. 1 DM. (English); 1 DM. (Algebra); 1 M. and 1 MM. (Geometry).

Departments:

NO. OF COURSES.	STUDENTS.
History: 7 (4 DM.);	36
Greek: 4 (3 DM.);	5
Latin: 7 (5 DM.);	29
French: 6 (3 DM.);	26
German: 4 (½ DM.);	9
English: 5 (2½ DM.);	17
Mathem.: 8 (4½ DM.);	39
Science: 2 (1 DM.);	7

States represented:

California, 2; Illinois, 51; Indiana, 2; Iowa, 2;
 North Carolina, 1; New York, 2; Texas, 1.

Number of Students:

Enrolled Autumn Quarter, 61.
 Discontinuing at beginning of Winter Quarter, 2.
 Entering at beginning of Winter Quarter, 3.
 Attendance for current Quarter, 64.

Distribution of Students leaving:

Permanently, 0. Temporarily, 1.
 Changing school, 0. Entering college, 0.

THE CHICAGO ACADEMY.

(CHICAGO)

CHARLES W. MANN, *Principal*.

Departments:

NO. OF COURSES.	STUDENTS.
History: 2 (1 DM.; 1 M.);	16
Latin: 3 (2 DM.; 1 MM.; 1 M.);	14
French: 2 (2 DM.; 1 MM.);	14
German: (1 DM.);	3
English: (1 DM.);	7
Mathematics: (1 DM.);	4 (7)
Chemistry: (1 DM.);	6
INTRODUCTORY YEAR.	
English: (1 DM.);	6
Mathematics: (2 MM.);	6

List of Instructors, with Number of Courses:

Aeshleman, L. 1 MM.; 3 DM.
 Jaquish, B. M. 2 MM.; 1 DM.
 Mann, C. W. 1 M.; 2 DM.
 Orr, C. A. 1 MM.; 2 DM.
 Rogers, A. K. 1 DM.; 1 M.

Home Address of Students: Chicago, 44

Illinois, outside Chicago, 1—45

Number of Students:

Enrolled Autumn Quarter, 43.
 Discontinuing at the end of Autumn Quarter, 1.
 Entering at beginning of Winter Quarter, 3.
 Attendance for current Quarter, 45.

PART II.—ANNOUNCEMENTS.

The University in General.

THE SPRING CONVOCATION AND OTHER MEETINGS.

ANNOUNCEMENTS FOR THE FIRST WEEK OF THE SPRING QUARTER.

- April 1, Sunday, 4:00 P.M., Vesper Services.
Theatre, Kent Chemical Laboratory.
The Choir of the First Baptist Church assisting.
7:30 P.M. The Convocation Sermon.
Theatre, Kent Chemical Laboratory.
THE REVEREND WM. M. LAWRENCE, D.D.
- April 2, Monday, Matriculation of Incoming Students.
8:30 A.M. to 12:30 P.M.
Informal meeting of Incoming Students with
the University Council, 4:00 to 6:00 P.M.
Chapel, Cobb Lecture Hall.
The Spring University Convocation, 8:00 to
10:00 P.M.
The President's Reception, 10:00 P.M.
- April 3, Tuesday, Classes begin the work of the Spring
Quarter.

SCHOOL AND COLLEGE CONFERENCE

AT THE UNIVERSITY OF CHICAGO.

SATURDAY, APRIL 28, 1894.

The fourth Semi-Annual Conference of University and Preparatory School Teachers will be held at the University, *Chapel, Cobb Lecture Hall*, on Saturday, April 28, 1894, beginning at 10:00 A.M. The Programme will be announced later.

SPRING MEETING OF THE UNIVERSITY UNION

Will be held on Friday, May 11, at 8:00 P.M., in *Theatre, Kent Chemical Laboratory*. At this meeting three of the following five competing Clubs will present papers: The Biological, Church History, Social Science, Latin, and English Clubs.

PRIZES AND FELLOWSHIPS.

THE HIRSCH SEMITIC PRIZE.

The *Hirsch Semitic Prize* of \$150.00 is awarded each year for the best paper prepared by a student of the University upon a Semitic subject. The next papers are to be submitted on January 1, 1895. The subjects on which competitors may write will be announced later.

THE BASTIN PRIZE.

The *Ellen B. Bastin Prize* of not less than \$50.00, offered by the Philosophy and Science department of the Chicago Women's Club, is to be given to the woman that presents the best paper embodying the results of her own original research in any of the Natural Sciences; Papers competing for this prize, to be awarded at the Summer Convocation, must be handed in before May 15, 1894.

UNIVERSITY FELLOWSHIPS.

University Fellowships are assigned in accordance with the following terms and conditions:

1. *Twenty Fellowships* are assigned, each yielding the sum of \$520 annually, University fees to be paid out of this sum.
2. *Twenty Fellowships* are assigned, each yielding the sum of \$320 annually, University fees to be paid out of this sum.
3. *Honorary Fellowships*, yielding no income and requiring no service, will be assigned as a mark of distinction in special cases.
4. *The appointment to a Fellowship* is based upon proficiency already obtained in a given department. It is very desirable that the student should have spent at least one year in resident study after

receiving his Bachelor's degree. In making the appointment, special weight is given to theses, indicating the candidate's ability to do original investigation.

5. *Service.* In order to cultivate independence on the part of the student, and to obtain for him the advantage which proceeds from practical work, each student on a Fellowship is expected to render assistance of some kind in connection with the work of the University. This assistance consists, for the most part, in service (1) as an instructor, either in Colleges of the University, or in affiliated colleges; but in no case will a student be expected, or allowed, to devote more than one-sixth of his time to such service; (2) as assistant in reading examination papers; or (3) as an assistant on a University Journal.
6. *Outside Work.* During the term of appointment a Fellow may not do outside work for pecuniary compensation without the special permission of the President.
7. *Quarterly Report.* The Fellow makes to the President, at the end of each quarter, a written report, endorsed by the Head or Acting Head of his department indicating (1) the amount and character of the work which he has been called to perform as an officer of the University, and (2) the particular work he has accomplished as a student.
8. *The annual assignment of Fellowships* takes place May 1, and applications must be made on, or before, April 1.
9. *Method of application.* Applications for a Fellowship should be addressed to the President of the University. Such application should be accompanied by
 - (1) A brief sketch of the life and work of the applicant.

- (2) A catalogue of the institution from which he has received his Bachelor's degree, with the courses in which he has studied marked.
- (3) Any theses or papers of a scientific character which have been prepared by the applicant, whether printed or otherwise.
- (4) Letters or testimonials from former instructors in regard to the applicant's ability in the particular line in which he applies for a Fellowship.

A blank form of application will be furnished by the Dean of the Graduate School of Arts and Literature or the Dean of the Ogden (Graduate) School of Science.

DOCTORS' THESES AND EXAMINATIONS FOR ADVANCED COURSES.

Students who are candidates for the higher degrees at the July Convocation will note the following announcements:

1. Students who are candidates for the Doctor's Degree must submit the thesis, the subject of which has already been approved, in written form to the Head or Acting Head of the Department, on or before Friday, March 23.
2. Students who are candidates for the Master's Degree will submit their thesis in written form on or before Tuesday, May 1.
3. Students who are candidates for the degree of Bachelor of Divinity or Bachelor of Theology must submit their thesis on or before Friday, March 23.
4. In all cases the applicants will present in writing to the proper dean a statement indicating the date at which they will be prepared to take the final examination.

CANDIDATES FOR THE DEGREES OF A.M. OR S.M.

are notified that Friday, April 20, 1894, is the last day for handing in theses for the degrees to be conferred at the July Convocation.

HOLIDAYS AND OTHER SPECIAL DAYS.

February 12. Monday. Lincoln's Birthday; observed as a holiday.

February 22. Thursday. Washington's Birthday; a holiday. Address before the members of the University by Governor William McKinley, of Ohio, in the Theatre, Kent Chemical Laboratory, at 11:00 A.M.

May 30, Wednesday, Memorial Day; a holiday.

The Winter Quarter closes on Sunday, March 25, with a recess from March 26 to 31.

The Spring Quarter begins on Sunday, April 1.

REGISTRATION AND EXAMINATIONS FOR ADMISSION.

Tuesday, March 8, is the last day for handing in registration cards for the Spring Quarter.

Incoming students may register up to Monday, April 2, 4:00 P.M.

In addition to the statements concerning examinations for admission, found on pages 14 to 19 of the "CIRCULAR OF INFORMATION" published August 1, 1893, the following points are to be noted :

- (1) Every candidate for admission should present, *at the time of examination*, a testimonial as to character. This is required of all who are admitted to the University, and much inconvenience will be avoided by presenting it at that time.

- (2) The Principal's recommendation referred to in paragraph (5), page 19 of the CIRCULAR OF INFORMATION, must be presented at the time of examination in order to have any weight in determining the candidate's standing.

- (3) Two units in History may be gained by passing examination, in addition to those named on page 15 of the CIRCULAR, on one year's work in Mediæval and Modern History, or on one major in each of these two branches and a third major in English, German, French or Oriental History, or advanced History of the United States.

SPECIAL EXAMINATIONS.

A fee of not less than \$10.00 nor more than \$15.00 will be hereafter required of all students that apply for special examinations.

QUARTERLY EXAMINATIONS.

The Quarterly examinations for the current Winter Quarter will be held March 21-23. One half day will be devoted to each exercise, in the order of the daily programme, as seen in the following scheme :

EXERCISE.	EXAMINATION.
8:30 A.M.	Wednesday, March 21, A.M.
9:30 A.M.	Wednesday, March 21, P.M.
10:30 A.M.	Thursday, March 22, A.M.
11:30 A.M.	Thursday, March 22, P.M.
2:00 P.M.	Friday, March 23, A.M.
3:00 P.M.	Friday, March 23, P.M.

Exercises occurring at or after 4:00 P.M. will have their examinations on Saturday, March 24.

The hours of the morning examinations will be from 9 to 12, of the afternoon examinations from 2 to 5.

During the examinations, the usual lectures and recitations will be suspended.

CIRCULARS OF INFORMATION.

The Circulars of Information which are reprints of certain portions of the UNIVERSITY REGISTER will be sent upon application.

The Circular of Information concerning THE FACULTIES OF ARTS, LITERATURE, AND SCIENCE contains in Part I. a statement of the dates upon which various University events occur, a list of departments of instruction, the terms of admission to the *Graduate School*, conditions of candidacy for the degrees of master of arts, master of science, master of philosophy and doctor of philosophy, statements concerning University fellowships and docentships, the method of application for the same, statements concerning theses and examinations, departmental journals and other departmental publications, regulations governing the selection of courses, non-resident work, rooms and fees. Part II. of the circular describes the organization of the *Colleges*, contains the regulations governing the admission of students to advanced standing, the admission of unclassified students, the selection of courses, average annual expenses, the students' fund society, the employment bureau, the conditions of candidacy for the degrees of bachelor of arts, bachelor of philosophy, and bachelor of science, the requirements for admission to the Academic Colleges, the regulations governing the examinations for admission, and the courses of study in the Academic Colleges. Part III. contains a list of the courses offered for the current year in the Graduate School and the University College of Arts and Literature, the Ogden (Graduate) School of Science, and University College of Science, and the Academic Colleges, together with the order of examinations for admission.

The Circular of Information for THE DIVINITY SCHOOL contains an historical statement, a list of the officers of government and instruction, a list of courses for the current year in the Graduate Divinity School, the English Theological Seminary, the Danish-Norwegian Theological Seminary, and the Swedish Theological Seminary; articles upon the purpose and constituency of the Divinity School, the terms of admission, the departments of instruction, regulations governing the selection of courses, conditions of candidacy for degrees or certificates, theses and examina-

tions, the library, fellowships, opportunities for religious work, special regulations, expenses and opportunities for self-help, together with a list of the students in the various departments.

The Circular of Information for THE UNIVERSITY EXTENSION DIVISION is issued in three separate parts. Part I. relates to the work of the *Lecture-study Department*. It contains (1) information relating to the general plan of University Extension lecture-studies and to the credit extended for the work done, directions in reference to organization, information as to expenses of the courses of lectures, and other information helpful to local Committees in organizing and promoting the work of University Extension in their towns; (2) a list of the lecturers, with a full statement of the subjects of their courses, and also of the separate lectures included in each course.

Part II. relates to the work of the *Correspondence-teaching Department*. It contains (1) general information relating to the purpose and method of instruction offered by Correspondence, the relation of Correspondence students to the University, the credit which they receive for the work, and other information for the guidance of those who desire to receive University instruction by Correspondence; (2) courses of instruction offered in this Department.

Part III. relates to the work of the *Class-work Department*. It contains (1) general information as to the aim, method, and organization of the work, the relation of Class-work students to the University, the regulation for examinations, the credit for the work done, and the regulations governing the selection of courses; (2) a full statement of the classes organized and the work offered in the Class-work Department of the University Extension Division.

THE UNIVERSITY ACADEMY at Morgan Park also issues a CALENDAR, which will be sent upon application, giving a list of the officers of government and instruction, and containing information in regard to the requirements for admission, the courses of study, average expenses, scholarships, self-help, the dormitories, special regulations, together with a description of the buildings and grounds and a list of the students in attendance during the current year.

The University (Proper).

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

OCTOBER 1, 1893, TO OCTOBER 1, 1894.

NOTE.—The following is a list of the titles of courses to be given in the University from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES. The number of each course in the REGISTER is indicated by the number in parentheses following the title of the course.

The hour of the exercise is indicated after each course. In case no hour is indicated it will be arranged when the class is formed. The days on which exercises are held will be designated by the instructor.

Courses marked by a star are intended exclusively or primarily for Graduate Students.

Full Announcements for the Summer Quarter (1894) will be made in the May Calendar.

Abbreviations: A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered. K=Kent Chemical Laboratory, R=Ryerson Physical Laboratory, W=Walker Museum.

The abbreviations used in the descriptions of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Spring Quarter on or before March 8; the registration card may be obtained from the Dean. The student will, (1) write upon the card the titles and numbers of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before March 8.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before April 2, 1894. Registration after this date may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

THE GRADUATE SCHOOL AND THE UNIVERSITY COLLEGE OF ARTS AND LITERATURE.

I. A. PHILOSOPHY.

R. and C 1, 10–12.

Autumn Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Logic. DM. (1) At 3:00
***Advanced Psychology.** DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. DM. (4) At 10:30
Kant's Critique of Pure Reason. DM. (6) At 11:30
 Prerequisite: course 4.

***Seminar: The Philosophy of Kant.** DM. (7) At 11:30
 Prerequisite: course 6.

DR. MONIN.

***History of Education.** DM. (15) At 4:00

DR. MEZES.

***Advanced Ethics.** DM. (12) At 3:00

Winter Quarter.

ASSOCIATE PROFESSOR STRONG.

Introductory Course: Psychology. DM. (2) At 3:00
***Advanced Psychology.** DM. (10) At 9:30

ASSISTANT PROFESSOR TUFTS.

General History of Philosophy. DM. (4) At 10:30
***Seminar: The Philosophy of Kant.** DM. (7) At 11:30
 Prerequisite: course 6.

DR. MONIN.

***Theory of Education.** M. 1st Term. (13) At 4:00

DR. MEZES.

***Schopenhauer and Hartmann.** DM. (5) At 10:30

Spring Quarter. Revised.

ASSOCIATE PROFESSOR STRONG.

***Advanced Psychology.** DM. (10) At 8:30
***Seminar in Psychology.** DM. (16) At 8:30
 Prerequisite: course 10.

ASSISTANT PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century. M. 1st Term. (4a). This course forms the conclusion of the General History of Philosophy, but it may be taken separately by those who have had courses 1-3. At 10:30

***Advanced Logic and Theory of Knowledge.** M. 1st Term (11). This course is designed to

follow the courses of the Autumn and Winter
Quarters on the Philosophy of Kant. At 11:30

DR. MEZES.

Introductory Course: Philosophy. DM. (3) At 3:00

* Spencer's First Principles. M. 2d Term. (9)
At 10:30

Summer Quarter.

ASSISTANT PROFESSOR TUFTS.

Psychology. DM. (2a) At 10:30

History of Modern Philosophy. DM. (4b) At 8:30

I. B. APOLOGETICS AND ETHICS.

C 10.

Autumn Quarter.

PROFESSOR ROBINSON.

Apologetics and Christian Evidences. DMM. (1)
At 11:30.

Winter Quarter.

PROFESSOR ROBINSON.

Ethics. M. 1st Term. (2) At 10:30

Advanced Ethics. M. 2d Term. (3) At 10:30

II. POLITICAL ECONOMY.

C 3-8.

Autumn Quarter.

HEAD PROFESSOR LAUGHLIN.

* Economic Seminar. DM. (19) At 3:00

Money and Practical Economics. DM. (9) At 11:30

PROFESSOR A. C. MILLER.

Finance. DM. (15) At 3:00

Principles of Political Economy. DM. (1) At 8:30

MR. HILL.

Railway Transportation. DM. (12) At 2:00

DR. VEBLEN.

American Agriculture. DM. (16) At 10:30

DR. HOURWICH.

Statistics. DM. (10) At 9:30

Winter Quarter.

HEAD PROFESSOR LAUGHLIN.

* Economic Seminar. DM. (19) At 3:00

PROFESSOR A. C. MILLER.

* Seminar in Finance. DM. (18). At 4:00

Advanced Political Economy. DM. (1a) At 8:30

MR. CALDWELL.

History of Political Economy. DM. (5) At 10:30

Descriptive Political Economy. DM. (1b) At 8:30

MR. HILL.

Industrial and Economic History. DM. (2) At 9:30

Railway Transportation. DM. (12) At 2:00

DR. VEBLEN.

Socialism. DM. (7) At 10:30

DR. HOURWICH.

Advanced Statistics. DM. (11) At 9:30

MR. CUMMINGS.

Comparative Study in Economic and Social Ideals.
DM. At 11:30

MESSRS. HILL, LOVETT, AND CLARK.

Oral Debates. DM. (4)

Discussion of Current Economic Questions.

[See also Department of English Language and
Literature].

Spring Quarter Revised.

HEAD PROFESSOR LAUGHLIN.

* Economic Seminar. DM. (19) At 3:00

Unsettled Problems of Economic Theory. DM.
(4) At 11:30

PROFESSOR MILLER.

* Seminar in Finance. DM. (18) At 4:00

Financial History of the United States. DM. (14)
At 9:30

ASSOCIATE PROFESSOR BEMIS.

Social Economics. DM. (8B) At 2:00

MR. CALDWELL.

Scope and Method of Political Economy. DM.
(3) At 8:30

History of Political Economy. DM. (5) At 10:30

MR. HILL.

Industrial and Economic History. DM. (2) At 9:30

Tariff History of the United States. DM. (13)
At 2:00

DR. VEBLEN.

Socialism. DM. (7) At 10:30

DR. HOURWICH.

Advanced Statistics. DM. (11) Mondays and
Fridays At 10:30-12:30

MR. CUMMINGS.

State Interference in the Distribution of Wealth.
DM. (8A) At 3:00

Summer Quarter.

PROFESSOR MILLER.

- Principles of Political Economy. DM. (1) At 8:30
 History of Political Economy. DM. (5) At 11:30

MR. CALDWELL.

- Economic Factors in Civilization. DM. (6) At 9:30
 Scope and Method of Political Economy. DM. (3)
 At 3:00

DR. HOURWICH.

- Statistics. DM. (10) Mondays and Fridays,
 At 10:30-12:30

MR. HILL.

- Railway Transportation. DM. (12) At 10:30
 Tariff History of the United States. DM. (13)
 At 2:00

III. POLITICAL SCIENCE.

C 1, 9, 10, 12.

Autumn Quarter.

PROFESSOR JUDSON.

- *Seminar in Politics. DM. (1)
 From 4:00 to 6:00 on Tuesdays
 *Comparative Politics. National Institutions.
 DM. (2) At 9:30

PROFESSOR LAWRENCE.

- International Law. DM. (7) At 11:30

MR. CONGER.

- Anthropo-Geography. DM. (17) At 10:30

MR. WILCOX.

- Civil Government in the United States. Pre-
 liminary course. DM. (12) At 11:30

Winter Quarter.

PROFESSOR JUDSON.

- *Seminar in Politics. DM. (1)
 From 4:00 to 6:00 on Tuesdays
 *Comparative Politics. DM. (3) At 9:30
 American Constitutional Law. American
 Commonwealths. DM. (5) At 10:30
 Course 5 should be preceded by course 12.

PROFESSOR LAWRENCE.

- International Law. DM. (8) At 11:30
 (Course not given.)

MISS WALLACE.

- Spanish-American Institutions. DM. (13) At 11:30
 (Course not given.)

MR. CONGER.

- Anthropo-Geography. DM. (15) At 10:30

Spring Quarter. Revised.

PROFESSOR JUDSON.

- *Seminar in Politics. DM. (1)
 Tuesdays, from 4:00 to 6:00
 The Elements of Political Science. DM. (6)
 To be preceded by Courses 12 and 5. At 10:30
 *Comparative Politics. Municipal Institutions.
 DM. (4) At 9:30

MR. CONGER.

- Geography of Europe. An introduction to the his-
 tory of Europe. Open to students of the
 Academic Colleges. DM. (16) At 11:30

Summer Quarter.

PROFESSOR JUDSON.

- Comparative Politics. National Institutions.
 DM. (12 repeated.) At 9:30
 Civil Government in the United States. DM. (18)
 At 10:30

MR. CONGER.

- Geography of Europe. An introduction to the His-
 tory of Europe. Open to students of the
 Academic Colleges. DM. (16 repeated.)
 At 11:30

NOTE.—Courses in Roman Law, General Jurisprudence, Admin-
 istrative Law, and International Law will be offered in
 1894-5.

IV. HISTORY.

C 5-8.

Autumn Quarter.

HEAD PROFESSOR VON HOLST.

- Seminar: Special Topics connected with Ameri-
 can, Political, and Constitutional History.
 DM. (34) Mondays, from 4:00-6:00
 History of the French Revolution and the Napole-
 onic Era. DM. (19) At 3:00

PROFESSOR TERRY.

- The Decline of Rome and the Dissolution of the
 Ancient Classical Civilization. DM. (10) At 2:00
 *Seminar: Early German Institutions. DM. (30)
 Wednesdays and Fridays, from 4:00-6:00

ASSOCIATE PROFESSOR GOODSPEED.

- The History of Antiquity to the Persian Empire.
 MM. (or DM.) 1st Term (1) At 4:00

DR. SCHWILL.

The Protestant Reformation and the Religious Wars. DM. (44) At 10:30

DR. SHEPARDSON.

Territorial Growth of the United States. DM. (22) At 11:30

Winter Quarter.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American History. DM. (35)

Mondays, from 4:00-6:00

The French Revolution and the Napoleonic Era. The Republic. DM. (20) At 3:00

PROFESSOR TERRY.

*Seminar: Early English Institutions. DM. (31)

Wednesdays and Fridays, from 4:00-6:00

The First Attempt to Reorganize Barbaric Society in Europe under Roman Forms. DM. (11) At 2:00

ASSOCIATE PROFESSOR GOODSPEED.

Post Exilic Biblical History from the Exile to the Christian Era. M. 1st Term. (2a) At 4:00

The Early Christian History in its Relation to the Græco-Roman World. M. 2d Term. (2b) At 4:00

DR. SCHWILL.

The French Revolution and the Era of Napoleon. DM. (45) At 10:30

DR. SHEPARDSON.

Social Life in the American Colonies. DM. (23) At 11:30

Spring Quarter. Revised.

HEAD PROFESSOR VON HOLST.

Seminar: Special Topics connected with American History. DM. (36)

Mondays, from 4:00-6:00

The French Revolution and the Napoleonic Era. The Consulate and the Empire. DM. (21) At 3:00

PROFESSOR TERRY.

*Seminar: Later English Institutions. DM. (32)

Wednesdays and Fridays, from 4:00-6:00

The First Attempt to Reorganize Barbaric Society in Europe under Roman Forms (continued). DM. (11) At 8:30

ASSOCIATE PROFESSOR GOODSPEED.

The History of Egypt. M. 1st Term. (3a) At 4:00

The History of Babylonia and Assyria. M. 2d Term. (3b) At 4:00

The History of Greece to the death of Alexander. DM. (4) At 2:00

DR. SCHWILL.

Studies in the Origin of the Italian Renaissance. DM. (13) Wed. and Fri., from 10:30-12:30

DR. SHEPARDSON.

Outline History of the United States. DM. (46) At 11:30

Summer Quarter.

PROFESSOR TERRY.

*Seminar: Early German History. DM. (33)

Mondays and Saturdays, from 8:30-10:30

The Great Migrations. DM. (15) At 8:30

ASSOCIATE PROFESSOR GOODSPEED.

The Relations of Hebrew and Egyptian History. M. 1st Term. (5a) At 4:00

The Relations of Hebrew and Babylonio-Assyrian History. M. 2d Term. (5b) At 4:00

ASSISTANT PROFESSOR THATCHER.

The History of Mohammedanism to the end of the Crusades. DM. (14) At 10:30

NOTE: Courses 43-46 are prescribed as preliminary to the work offered in History in the Graduate School and hence are required of all students, whether graduates of the University of Chicago or of any other institution, who take standing in this department in the Graduate School. They are repeated each year.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

C 2, 10-12 and W.

Autumn Quarter.

HEAD PROFESSOR SMALL.

*Seminar: The Psychology, Ethics and Sociology of Socialism. 3DM. (23)

*The Province of Sociology and its relation to the Special Social Sciences. DM. (24) At 8:30

*Problems of Social Statics. DM. (27) At 9:30

ASSISTANT PROFESSOR HENDERSON.

*Seminar: Social Organizations for Promoting Social Welfare. DM. (14)

Social Institutions of Organized Christianity. M. (or MM.) 1st Term. (15) At 2:00

Social Treatment of Dependents and Defectives. M. (or MM.) 2d Term. (16) At 2:00

ASSISTANT PROFESSOR TALBOT.

Seminar in Sanitary Science. DM. (10)

House Sanitation. DM. (11) At 11:30

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. DM. (1)
 Physical Anthropology. Laboratory Work. DM. (2)
 Physical Anthropology. Elementary Course. DM.
 (9) At 11:30

DR. WEST.

- Applied Anthropology. DMM. (3) At 3:00

Winter Quarter.

HEAD PROFESSOR SMALL.

- *Seminar: The Psychology, Ethics, and Sociology
 of Socialism. 3DM. (23)
 *Social Psychology. DM. (25) At 8:30
 *Problems of Social Statics. DM. (27) At 9:30

ASSISTANT PROFESSOR HENDERSON.

- *Seminar: Social Organizations for Promoting
 Social Welfare. DM. (14)
 Criminology. DM. (or MM). (17) At 2:00

ASSISTANT PROFESSOR TALBOT.

- Seminar in Sanitary Science. DM. (10)
 Sanitary Aspects of Water, Food, and Clothing.
 DM. (12) At 10:30

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. DM. (1)
 Physical Anthropology. Laboratory Work. DM.
 (2)
 Ethnology of North America. DMM. (7) At 11:30

DR. WEST.

- Applied Anthropology. DMM. (3) At 3:00

Spring Quarter. Revised

HEAD PROFESSOR SMALL.

- *Seminar: The Psychology, Ethics, and Sociology
 of Socialism. 3DM. (23) Thursdays, at 3:00
 *The Organic Functions of the State and of Gov-
 ernment. DM. (26) At 8:30
 Problems of Social Statics. DM. (27) At 9:30

ASSISTANT PROFESSOR HENDERSON.

- *Seminar: Social Organizations for Promoting
 Social Welfare. DM. (14) Tuesdays, 3:00-5:00
 The Family. M. (or MM). 1st Term. (18) At 2:00
 Non-Political and Non-Economical Social Institu-
 tions. M. (or MM). 2d Term. (19) At 2:00

ASSISTANT PROFESSOR TALBOT.

- Seminar in Sanitary Science. DM. (10). At 3:00
 The Economy of Living. DM. (12a) At 10:30

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. DM. (1)
 At 2:00

- Physical Anthropology. Laboratory Work. DM.
 (2) At 2:00

- Prehistoric Archaeology of North America, espe-
 cially of Mexico. DM. (8) At 11:30

ASSOCIATE PROFESSOR BEMIS.

- Labor Legislation, and some other Phases of
 State Activity on behalf of Wage Workers.
 DM. (21) At 10:30

DR. WEST.

- Applied Anthropology. DMM. (3) At 3:00

Summer Quarter.

HEAD PROFESSOR SMALL.

- *The Methodology and Bibliography of Social
 Science. M. 1st Term. (22) At 9:30
 *The Province of Sociology and its Relation to
 the Special Social Sciences. MM. 1st Term.
 (24) At 8:30 and 3:00

ASSISTANT PROFESSOR HENDERSON.

- Methods of Promoting Social Welfare by Volun-
 tary Organizations. MM. 2d Term. (20)
 At 8:30 and 3:00

ASSOCIATE PROFESSOR BEMIS.

- Labor Legislation and some other Phases of
 State Activity on behalf of Wage Workers.
 DM. (21)

DR. THOMAS.

- The Historical Sociologies. DM. (30)

Course 27 forms Part II of the system of Social
 Philosophy introduced by courses 24 and 25.
 Course 26 may be taken by students who are
 suitably prepared without course 24 and 25, or
 students who wish to make Social Science their
 principal subject, may combine courses 24,
 25, and 26, as three double Majors.

Courses 24 and 25 will be required of all candi-
 dates for the degree of Doctor of Philosophy
 who present Social Science either as primary or
 secondary subject.

VI. COMPARATIVE RELIGION.

D 15.

Autumn Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

- The Indian Religions. DM. (1) At 3:00

Winter Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

- The Religions of China. M. (2a) At 3:00

MR. BUCKLEY.

The Religions of Japan. M. (2b) At 3:00

Spring Quarter. Revised.

ASSOCIATE PROFESSOR GOODSPEED.

The Religions of Greece, Rome, and Northern Europe. DM. (3) At 3:00

Summer Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Islam. DM. (4) At 3:00

VII. SEMITIC LANGUAGES AND LITERATURES.

D 12-16.

Autumn Quarter.

HEAD PROFESSOR HARPER.

Later Suras of the Kuran. DMM. or DM. (65) At 8:30 and 9:30

Hexateuchal Analysis. DM. (55) At 8:30

PROFESSOR HIRSCH.

Introduction to Talmudic Literature. M. 1st Term. (34) At 2:00

Job. M. 1st Term. (40) At 3:00

Reading of Selected Portions of the Babylonian Talmud. M. 2d Term. (37) At 2:00

Introduction to the Textual Criticism of the Old Testament. M. 2d Term. (38) At 3:00

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. DM. (30) At 4:00

Bilingual Babylonian Psalm Literature. M. 2d Term. (77) At 3:00

Earliest Unilingual Cuneiform Inscriptions. M. 1st Term. (78) At 3:00

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity. DM or MM. (IV. 1) At 4:00

DR. CRANDALL.

Sight Translation in Hebrew. DM. (8) At 9:30

DR. KENT.

Old Testament Wisdom Literature. DM. (31) At 10:30

Winter Quarter.

HEAD PROFESSOR HARPER.

Arabic Poetry and Inscriptions. DM. (68) At 9:30

Hebrew Language. DM. (1) At 8:30

PROFESSOR HIRSCH.

Abodah Zarah. M. (48) 1st Term. At 2:00

Selected Portions of the Mishna. M. 1st Term. (43) At 3:00

Coptic. M. 2d Term. (44) At 2:00

New Testament and Talmudic Analogies. M. 2d Term. (46)

ASSOCIATE PROFESSOR PRICE.

Jeremiah. M. 1st Term. (21) At 3:00

Isaiah, Chapters XL-LXVI. M. 2d Term. (23) At 3:00

Biblical Aramaic. DM. (80) At 4:00

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History, from the Exile to the Christian Era. M. 1st Term. (IV. 2a.) At 4:00

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. MM. 1st Term. (69) At 10:30 and 3:00

Advanced Assyrian. MM. 2d Term. (71) At 10:30 and 3:00

Beginning Syriac. DM. (88) At 11:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (4) At 9:30

DR. KENT.

Apocryphal Wisdom Literature. DM. (32) At 10:30

Spring Quarter. Revised.

HEAD PROFESSOR HARPER.

The Three Legal Codes. M. 1st Term. (13) At 4:00

Seminar in Comparative Semitic Grammar. DM. (94) Saturdays 10:30-12:30

Old Testament Legal Literature. M. 2d Term. (27) At 4:00

Hebrew Syntax. M. 2d Term. At 3:00

PROFESSOR HIRSCH.

Arabic: Thousand and One Nights. DM. (66) At 2:00

Advanced Syriac. DM. (50) At 3:00

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel. M. 1st Term. At 3:00

Modern Discoveries and the Old Testament. M. 1st Term. (56) At 2:00

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. M. 2d Term. (IV. 3b) At 4:00

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Geography. M. 1st Term. (61) At 9:30

Assyrian and Babylonian Life. M. 2d Term. (59) At 9:30

Assyrian Letters. M. 1st Term. (75) At 10:30
 Babylonian Contracts. M. 2d Term. (76) At 10:30
 Early Historical Inscriptions. DM. (72) At 11:30

DR. CRANDALL.

Sight Translation in Hebrew. M. 2d Term. (9) At 4:00

The Books of Samuel. M. 1 Term. (6) At 3:00

DR. KENT.

Outline of Hebrew History. DM. At 11:30

Minor Prophets of the Assyrian Period. M. 1st Term. At 10:30

Messianic Prophecy. M. 2d Term. At 10:30

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period. M. 2d Term. (11) At 7:30

The Arabic Language. M. 2d Term. (63) At 8:30

Advanced Hebrew Grammar. M. 2d Term. (97) At 9:30

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (3) At 8:30 and 3:00

Ezekiel. (English.) M. 1st Term. (XV. A.3) At 2:00

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonio-Assyrian History. M. 2d Term. (IV. 5b) At 10:30

The Relations of Hebrew and Egyptian History. M. 1st Term. (IV. 5a) At 4:00

Islam. DM. (VI. 4) At 3:00

ASSOCIATE PROFESSOR HARPER.

Assyrian Language. MM. (70) At 9:30

Advanced Assyrian. MM. (71) At 8:30 and 3:00

The Book of Proverbs. M. 1st Term. (17) At 10:30

Micah. M. 2d Term. (14) At 10:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5) At 9:30

MR. VOTAW.

Paul's Corinthian Epistles. M. 2d Term. (14) At 2:00

Winter Quarter.

HEAD PROFESSOR BURTON.

New Testament Quotations from the Old Testament. Part I. The Gospels. DM. (24)

DR. ARNOLD.

History of the Problem of the Synoptic Gospels, and of the Historical Criticism of the Fourth Gospel. DM. (25) At 7:30

Spring Quarter. Revised.

DR. ARNOLD.

The Origin and History of the Septuagint and other Greek Versions of the Old Testament. DM. (43) At 8:30

MR. VOTAW.

Rapid Translation and Interpretation of certain Pauline Epistles. DM. (4) At 10:30

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Epistle to the Galatians. M. 2d Term. (31)

DR. ARNOLD.

New Testament Syntax: Noun, Pronoun, and Prepositions. M. 2d Term. (3) At 7:30

Paul's Epistles to the Thessalonians. M. 2d Term. (30) At 8:30

New Testament Quotations from the Old Testament. Part II. The Epistles. M. 1st Term. (41) At 7:30

See also courses in New Testament Literature and Exegesis in the Graduate Divinity School, which are open to students of the Graduate School and University Colleges.

VIII. BIBLICAL AND PATRISTIC GREEK.

D 10-16.

Autumn Quarter.

DR. ARNOLD.

Patristic Greek. Justin Martyr; Teaching of the Apostles; Gospel and Revelation of Peter. DM. (Special course). At 7:30

IX. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B 2-8.

Autumn Quarter.

ASSISTANT PROFESSOR BUCK.

*Sanskrit, for Beginners. DM. (2) At 10:30

*Comparative Grammar of the Latin Language. DM. (4) At 9:30

Winter Quarter.

ASSISTANT PROFESSOR BUCK.

- * **Sanskrit** (continued). DM. (2) At 10:30
 * **Seminar**. DM. (5)

Spring Quarter. Revised.

ASSISTANT PROFESSOR BUCK.

- * **Sanskrit** (continued). DM. (2) At 10:30
 * **Avestan** (Zend). DM. (6) At 11:30

Summer Quarter.

ASSISTANT PROFESSOR BUCK.

- Sanskrit, for Beginners.** With a general introduction to the Study of Indo-European Comparative Philology. DMM. (10) At 10:30

X. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

PROFESSOR SHOREY.

- Homer.** Open to Academic College students who have completed two or three Majors of Greek with credit. DM. (7) At 10:30
 * **Seminar: The History of Ancient Philosophy.** DM. (20)
 * **Literary Criticism and Rhetoric of the Ancients.** DM. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

- Greek Lyric Poets.** Selections. **Theocritus.** Selections. DM. (8) At 10:30

Winter Quarter.

PROFESSOR SHOREY.

- * **Seminar: The History of Ancient Philosophy.** DM. (20)
 * **Literary Criticism and Rhetoric of the Ancients.** DM. (22) At 3:00

ASSOCIATE PROFESSOR TARBELL.

- Demosthenes** (Philippic and Olynthiacs); **Andocides** (On the Mysteries); **Exercises in Writing Greek Prose.** DM. (6) Open to Academic College students who have completed one or more Majors with credit.

- Introduction to Classical Archæology.** DM. (16) At 10:30

ASSISTANT PROFESSOR CASTLE.

- Demosthenes and Æschines.** DM. (9) At 9:30

- Selected Plays of Sophocles and Euripides.** DM. (14) At 10:30

Spring Quarter. Revised.

PROFESSOR SHOREY.

- Introduction to Study of the Greek Drama.** Open to students in the Academic Colleges who have completed two or three Majors with credit. DM. (17) At 10:30
 * **Seminar: The History of Ancient Philosophy.** DM. (20) Monday at 3:00
 * **Literary Criticism and Rhetoric of the Ancients.** M. 1st Term. (22) Thursday at 3:00

ASSOCIATE PROFESSOR TARBELL.

- Thucydides** (Sicilian Expedition). DM. (15) At 9:30
Classical Archæology. DM. (19) Second course. Open only to students who have elected course (16). At 10:30

Summer Quarter.

PROFESSOR SHOREY.

- Æschylus** (Oresteia). M. 1st term. (12) At 10:30
Teachers' Course. M. 1st Term. (23) At 11:30

ASSISTANT PROFESSOR CASTLE.

- Readings and Studies in the Odyssey.** M. 2d Term. (10) At 10:30
Demosthenes as an Orator and a Man. M. 2d Term. (11) At 11:30
A Greek Reading Club meets once a week from October to June, intended primarily for undergraduates who wish to keep up their knowledge of Greek in the interval between their regular collegiate courses.

XI. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

HEAD PROFESSOR HALE.

- * **Pliny the Younger.** DM. (22) At 9:30
 * **Seminar 3: The Comparative Syntax of the Greek and Latin Verb.** DM. (43)

PROFESSOR CHANDLER.

- Lucretius.** DM. (11) At 8:30
Roman History from the Sources: The Conspiracy of Catiline. DM. (30) At 10:30

ASSOCIATE PROFESSOR ABBOTT.

*Introduction to Latin Palæography. DM. (37)
At 11:30

*Seminar 1: Colloquial Latin. DM. (41)

Winter Quarter.

HEAD PROFESSOR HALE.

*Juvenal. DM. (24) At 9:30

*Seminar 3: Comparative Syntax of the Greek
and Latin Verb. DM. Continued. (43)

ASSOCIATE PROFESSOR ABBOTT.

Cicero's Letters. DM. (13) At 11:30

*Seminar 1: Colloquial Latin. DM. Continued.
(41)

ASSOCIATE PROFESSOR TARBELL (of the Greek Department.)

Introduction to Greek and Roman Archæology.
DM. (32) At 10:30

This course is the same as X, 16.

Spring Quarter. Revised.

HEAD PROFESSOR HALE.

*Seminar 3: Comparative Syntax of the Greek
and Latin Verb. DM. Continued. (43)
Tuesdays 3:00-5:00

PROFESSOR CHANDLER.

Latin Hymns; Latin Prose of the Christian Church.
DM. (26) At 8:30

The Development of Roman Oratory. DM. (28)
At 10:30

ASSOCIATE PROFESSOR ABBOTT.

Roman Administration. DM. (33) At 9:30

*Seminar 1: Colloquial Latin. DM. Continued. (41)
Wednesdays, 3:00-5:00

Summer Quarter.

HEAD PROFESSOR HALE.

Teachers' Training Course. M. 1st Term. (40)
At 3:00

Problems in Latin Syntax. M. (40b) 1st Term.
Tuesdays, from 3:00-5:00

PROFESSOR CHANDLER.

The Epistles of Horace. DM. (17) At 9:30

The Georgics of Virgil. M. 1st Term. (15) At 8:30

Tibullus and Propertius. M. 2d Term. (18)
At 8:30

ASSOCIATE PROFESSOR ABBOTT.

Allen's Remnants of Early Latin. M. 1st Term.
(35) At 10:30

Persius. M. 1st Term. (19) At 11:30

XII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Autumn Quarter.

HEAD PROFESSOR KNAPP.

*Old French. DM. (1) At 9:30

*Old Spanish. DM. (5) At 10:30

ASSISTANT PROFESSOR BERGERON.

French Literature of the Nineteenth Century.
DM. (13) At 9:30

Rapid Reading in Modern French. DMM. (14)
At 8:30 and 3:00

MISS WALLACE.

Spanish Grammar. DM. (9) At 9:30

Winter Quarter.

HEAD PROFESSOR KNAPP.

*Old French. DM. (2) At 9:30

*Old Spanish. DM. (6) At 10:30

ASSISTANT PROFESSOR BERGERON.

French Literature of the XIX Century (Continued).
DM. (13 b) At 9:30

Special Course of Conversation. DMM. (15)
At 8:30 and 3:00

MR. R. DE POYEN.

Historical French Grammar. DM. At 11:30
(Special course).

MISS WALLACE.

Spanish Grammar and Readings. DM. (10)
At 9:30

Spring Quarter. Revised.

HEAD PROFESSOR KNAPP.

*Old French. DM. (3) At 9:30

*Old Spanish. DM. (7) At 10:30

ASSISTANT PROFESSOR BERGERON.

Rapid Reading (continued). DM. (16) At 9:30

Advanced Syntax and Conversation (continued).
DM. At 11:30

Nineteenth Century Literature (continued). DM.
(13) Prerequisite course 34. At 8:30

Elements of French Literature. DM. (34)
Prerequisite course 16. At 10:30

MR. R. DE POYEN.

Historical French Grammar (continued). DM.
Special course. At 11:30

MISS WALLACE.

Spanish Readings. DM. (11) At 9:30

Summer Quarter.

HEAD PROFESSOR KNAPP.

- *Old French. DM. (4) At 9:30
 *Old Spanish. DM. (8) At 10:30

ASSISTANT PROFESSOR BERGERON.

- French: Nineteenth Century Literature (continued).
 DM. (12) At 9:30
 French: Elements of Literature (repeated). DM.
 (17) At 10:30

DR. KINNE.

- French Literature of the Seventeenth Century.
 M. 1st Term. (21) At 2:00

MR. HOWLAND.

- Italian Grammar. M. 1st Term. (26) At 3:00
 Knapp's Spanish Grammar and Readings. M. 1st
 Term. (9) At 8:30
 Advanced Spanish Reading. DM. (12) At 9:30

XIII. GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

*Germanic Seminar: Courses 1-10, inclusive, constitute the work of the first section of the Germanic Seminar; the second section meets weekly through Autumn, Winter, and Spring Quarters for the reading and discussion of original papers by members of the Seminar and of reports upon subjects connected with the work of the first section. Mondays. At 2:00

Autumn Quarter.

ASSISTANT PROFESSOR CUTTING.

- *Faust. DM. (1) At 2:00
 Lessing as a Dramatist. DM. (10) At 9:30

DR. SCHMIDT-WARTENBURG.

- *Comparative German Grammar. DM. (7) At 4:00
 Outline History of German Literature. DM. (12)
 At 11:30

DR. VON KLENZE.

- *Gothic. DM. (3) At 11:30

Winter Quarter.

ASSISTANT PROFESSOR CUTTING.

- *Faust. DM. (1) At 2:00
 German Prose Composition. DM. (16) At 9:30

DR. SCHMIDT-WARTENBURG.

- *Old High German (Introductory). DM. (4) At 3:00
 *Middle High German (Advanced). DM. (8) At 4:00

Spring Quarter. Revised.

DR. SCHMIDT-WARTENBURG.

- *Introduction to Phonetics. M. 2d Term. (6) At 3:00
 *Old High German. M. 1st Term. (9) At 3:00

DR. VON KLENZE.

- *Goethe's Life. DM. (2) At 3:00
 German Ballads. DM. (13) At 2:00
 Heine's Prose and Poetry. DM. (14) At 4:00

MR. WOOD.

- Early Nineteenth Century Prose. DM. (15) At 10:30

Summer Quarter.

ASSISTANT PROFESSOR CUTTING.

- *Middle High German. DM. (5) At 2:00
 Schiller's Wallenstein. DM. (11) At 9:30

DR. VON KLENZE.

- *Gothic. DM. (3) At 3:00

AUXILIARY COURSES.

For graduate students in departments other than Germanic.

DR. SCHMIDT-WARTENBURG.

- *Scientific Reading. Subjects connected with Biological Sciences. DM. Winter Quarter. (26)
 At 10:30

DR. VON KLENZE.

- *Scientific Reading. Subjects connected with Social Sciences. DM. Autumn Quarter. (25)
 At 10:30

- *Scientific Reading. Subjects connected with Physical Sciences. DM. Summer Quarter. (27)
 At 10:30

XIV. THE ENGLISH LANGUAGE AND LITERATURE AND RHETORIC.

K.

Autumn Quarter.

PROFESSOR WILKINSON.

- Poetics. DM. (9) At 10:30
 Sentences. M. 1st Term. (7) At 11:30
 History and Fiction. M. 2d Term. (8) At 11:30

ASSISTANT PROFESSOR BLACKBURN.

- *Old English, Advanced Course. DM. (27) At 2:00
 *Old English Seminar. DM. (28)
 Old English, Elementary Course. DM. (23) At 3:00

ASSISTANT PROFESSOR CROW.

English Literature of the Elizabethan Period.
DM. (14) At 2:00

*English Literature Seminar. Studies in Elizabethan Literature. DM. (36) At 10:30

ASSISTANT PROFESSOR MCCLINTOCK.

Milton. DM. (16) At 3:00

*English Literature Seminar. The beginnings of the Romantic Movement of the Eighteenth Century; Studies in English Literature from 1725-1775. DM. (33)

MR. HERRICK.

Advanced English Composition. DM. (5) At 10:30

MR. TRIGGS.

English Literature of the Nineteenth Century.
DM. (20) At 11:30

Winter Quarter.

PROFESSOR MOULTON.

Ancient Tragedy for English Readers. DM. (12)
At 10:30

ASSISTANT PROFESSOR BLACKBURN.

Old English, Elementary Course (continued).
DM. (24) At 3:00

Middle English. DM. (26) At 2:00

*Old English Seminar. DM. (28)

ASSISTANT PROFESSOR CROW.

The Sources of Shakespeare's Plays. DM. (40)
At 2:00

*English Literature Seminar. Studies in Elizabethan Literature. DM. (36) At 10:30

ASSISTANT PROFESSOR MCCLINTOCK.

The Development of the English Novel from Richardson to George Eliot. DM. (17)
At 3:00

*Works of William Wordsworth. DM. (32)
At 4:00

ASSISTANT PROFESSOR TOLMAN.

English Epic Poetry. DM. (37) At 10:30

MESSRS. HERRICK AND LOVETT.

Development of English Prose Style. DM. (6)
At 10:30

MESSRS. LOVETT, HILL, AND CLARK.

Oral Debates. DM. (4)

[See also Department of Political Economy and Programme of English Department].

MR. TRIGGS.

English Literature of the Nineteenth Century.
The Poetry of Tennyson and Arnold. DM. (21)
At 10:30

Spring Quarter. Revised.

PROFESSOR MOULTON.

Tragedy in the Shakesperian Drama. DM. (13)
At 10:30

ASSISTANT PROFESSOR BLACKBURN.

Old English, Elementary Course (continued). DM.
(25) At 3:00

*Old English Seminar. DM. (28)
Mondays, 2:00 to 4:00

Comparative Grammar of Old English. DM. (29)
At 2:00

ASSISTANT PROFESSOR CROW.

Poetic and Verse Forms in the Elizabethan Era.
DM. (41) At 2:00

*English Literature Seminar. Studies in Elizabethan Literature. DM. (36) At 10:30

ASSISTANT PROFESSOR TOLMAN.

*Seminar: Studies in the Origins of Shakespeare's Plays. DM. (31)

Tuesdays and Fridays, 4:00 to 6:00

MR. HERRICK.

Advanced English Composition. DM. (5) At 9:30
(Repeated).

An Historical Outline of English Prose Literature from Dryden to Goldsmith. DM. (30) At 3:00

MR. LOVETT.

Argumentative Composition. DM. (3) At 8:30
Prerequisites: (1 A) and (1 B).

Shakespeare: Study of Six Representative Plays.
DM. (42) At 2:00

Prerequisite: English (10).

MR. TRIGGS.

English Literature of the Nineteenth Century.
Emerson, Thoreau, Lowell, and Whitman.
DM. (22) At 11:30

Nineteenth Century Literary Movements: Studies in Criticism, the Novel, the Essay, and Poetry.
DM. (38) At 3:00

Primarily for Graduate students, but open to University College students.

MR. CARPENTER.

The Poetry of Spenser. DM. (35) At 9:30

Summer Quarter.

ASSISTANT PROFESSOR BLACKBURN.

Old English. Elementary Course. DM. (23)
At 3:00

Middle English. M. 1st Term. (26) At 2:00

Studies in English Grammar. M. 2d Term. (39)
At 2:00

ASSISTANT PROFESSOR MCCLINTOCK.

The Elements of Literature. DM. (19) At 9:30*** English Literary Criticism.** DM. (34) At 10:30

MR. HERRICK.

Daily Themes, a course of Advanced English Composition. DM. (7) At 8:30

XV. BIBLICAL LITERATURE IN ENGLISH.
D 10-16.

Autumn Quarter.

MR. VOTAW.

History of the New Testament Times. DM. (B.1) At 9:30*Winter Quarter.*

MR. VOTAW.

The Corinthian Epistles. DM. (B. 8, 9). At 10:30**The Life of Christ.** DM. (B. 2)

At 2:00

Spring Quarter. Revised.

ASSOCIATE PROFESSOR PRICE.

Isaiah, Chapters i-xxxix. M. 1st Term. (A.1) At 10:30*Summer Quarter.*

ASSOCIATE PROFESSOR PRICE.

Ezekiel. M. 2d Term. (A,3) At 10:30

ASSOCIATE PROFESSOR MATHEWS.

The Epistle to the Galatians. M. 2d Term. (B.15)

MR. VOTAW.

The Gospel of John. M. 1st Term. (B.10)

See Courses in Biblical Literature in English in the Graduate Divinity School, which are open to Students of the Graduate School and University Colleges.

THE OGDEN (GRADUATE) SCHOOL AND THE UNIVERSITY COLLEGE OF SCIENCE.

XVI. MATHEMATICS.

R.

***The Mathematical Club and Seminar.** A fortnightly meeting continuing throughout the year, for the review of memoirs and books, and for the presentation of the results of research, open to all graduate students in mathematics; with the coöperation of the members of the Mathematical Faculty, under the presidency of Professor Moore. Alternate Fridays.
At 3:00

Autumn Quarter.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** DM. (16) At 8:30
Prerequisites: Differential and Integral Calculus and Theory of Equations.

ASSOCIATE PROFESSOR BOLZA.

Advanced Integral Calculus. DM. (7) At 8:30
***Hyperelliptic Functions.** DM. (21) At 9:30
Prerequisites: Differential and Integral Calculus and Theory of Functions.

ASSISTANT PROFESSOR MASCHKE.

Theory of Surfaces. DM. (8) At 10:30
Prerequisites: Analytic Geometry and Differential Calculus.

Analytic Mechanics. DM. (12) At 9:30
Prerequisites: Analytic Geometry and Differential and Integral Calculus.

DR. YOUNG.

Determinants: Theory of Equations. DM. (6) At 11:30
Prerequisites: College Algebra and Plane Geometry. A continuous course for two quarters, but students may enter for the Determinants as a Minor, 1st Term, 1st Quarter.

Winter Quarter.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** DM. (16) At 8:30

PROFESSOR BOLZA.

Advanced Integral Calculus. DM. (7) At 8:30
Prerequisites: Differential Calculus and Indefinite Integration.

***Hyperelliptic Functions.** DM. (21) At 10:30
Continuation of Course (21) of the Autumn Quarter.

ASSISTANT PROFESSOR MASCHKE.

Theory of the Potential. DM. (14) At 9:30
Prerequisites: Analytic Geometry, Calculus, and Analytic Mechanics.

***Line Geometry.** DM. (18) At 10:30
Prerequisites: Analytic Geometry, Calculus, and Theory of Surfaces.

DR. YOUNG.

Determinants: Theory of Equations. DM. (6) Continued. At 11:30
Prerequisites: College Algebra and Plane Trigonometry.

Spring Quarter. Revised.

PROFESSOR MOORE.

***Theta Functions.** DM. (22) At 8:30

This course is a continuation of Course 6 on the Theory of Functions of a Complex Variable, and part of the time will still be devoted to the general theory. 5 hours weekly: four lectures at 8:30, and a special Seminar on Functions on alternate Fridays at 4:00.

ASSISTANT PROFESSOR MASCHKE.

Theoretical Electricity. DM. (13) At 10:30
Prerequisites: Analytic Geometry, and Differential and Integral Calculus.

***Finite Groups of Linear Substitutions.** DM. (19) At 9:30

DR. YOUNG.

Theory of Invariants. DM. (6b) At 11:30
Continuation of (6).

DR. BOYD.

Differential Equations. DM. (10) At 8:30
Prerequisite: Advanced Integral Calculus.

Summer Quarter.

NOTE.—These announcements are preliminary and subject to change to meet more exactly the needs of prospective students. It is important that those expecting to attend should notify the instructors at once. The MAY CALENDAR will contain revised announcements.

PROFESSOR MOORE.

***Theory of Functions of a Complex Variable.** DM. (15) At 8:30

Prerequisites: A thorough knowledge of Differential and Integral Calculus.

***Elliptic Functions.** DM. (20) At 9:30

Prerequisites: Theory of Functions and Theory of Substitutions.

***Special Seminar on Functions.** In connection with and as a part of courses 15 and 20. On alternate Fridays. At 4:00

DR. YOUNG.

Theory of Numbers. DM. (9) At 10:30

The Elements of the Theory of Invariants with Applications to Higher Plane Curves. DM. (11) At 11:30

Prerequisites: Determinants, and a thorough course in the Theory of Equations.

XVII. ASTRONOMY.

R.

Autumn Quarter.

ASSOCIATE PROFESSOR HALE.

Astronomical Photography. DM. (1) At 7:30 P.M.

Prerequisites: General Astronomy and Physics.

Stellar Spectroscopy. DM (or MM.) (3) At 7:30 P.M.

Prerequisite: Solar Physics.

DR. SEE.

***Mechanics of a System of Bodies and the Perturbing Function.** DM. (5) At 9:30

Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.

Astronomical Seminar. (10)

Prerequisites: Mathematics, Astronomy.

General Astronomy. Introductory Course. DM. (11) At 11:30

Prerequisites: Algebra, Geometry, Trigonometry, and Elements of Physics.

DR. LAVES.

***Spherical and Practical Astronomy.** DM. (8) At 10:30

Prerequisites: Mathematics, Physics, and General Astronomy.

Winter Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics. DM (or MM.) (2) At 2:00

Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

***General Perturbations.** DM. (6) At 9:30

Prerequisites: Mathematics, Elements of the Theory of Orbits and of Perturbations.

Astronomical Seminar. (10)

Prerequisites: Mathematics, Astronomy.

General Astronomy. (continued.) DM. (11)

At 11:30

Prerequisites: Algebra, Geometry, Trigonometry, and the Elements of Physics.

DR. LAVES.

***Determination of Orbits.** DM. (8) At 4:00

***Spherical Harmonics, including the Functions of Bessel and Lamé.** DM. (8a)

Spring Quarter. Revised.

ASSOCIATE PROFESSOR HALE.

Solar Physics. DM. (2) At 2:00

Prerequisites: General Astronomy and Advanced Physics.

DR. SEE.

***Theory of Secular Perturbations and of Long-Period Inequalities.** DM. (7) At 9:30

Prerequisites: Courses 5 and 6.

History of Astronomy. DM. (12) At 11:30

Prerequisite: General Astronomy.

DR. LAVES.

***Theory of Probability and Method of Least Squares.** DM. (9) At 2:00

Prerequisites: Differential and Integral Calculus.

***Determination of the Orbits of Planets and Improvement of the Elements.** DM. (9a)

At 3:00

DR. SEE AND DR. LAVES.

***Astronomical Seminar.** Practical courses in particular topics. (See REGISTER, p. 81).

On alternate Fridays at 3:00

Summer Quarter.

DR. SEE.

***Gauss' Method of Determining Secular Perturbations, with Numerical Application to the Action of Neptune on Uranus.** DM. (13) At 9:30

***Research Course on the Orbits of Double Stars.**

DM. (14) At 10:30

DR. LAVES.

General Astronomy. Introductory course.

DM. (15) At 11:30

Prerequisites: Algebra, Geometry, Trigonometry, and the elements of Physics.

***Determination of Latitude and Longitude, with practical work in the Observatory.** DM. (16)

At 4:00

DR. SEE AND DR. LAVES.

***Astronomical Seminar.** Practical courses in particular topics. (See REGISTER, p. 81).

On alternate Fridays at 3:00

ASSISTANT PROFESSOR STRATTON.

Electrical Measurements. DM. At 1:30

Prerequisites: General Physics. (Advanced).

Spring Quarter. Revised.

HEAD PROFESSOR MICHELSON.

Research Course.** DMM. (1) At 1:30Special Graduate Course.** DM (or DMM.) (2) At 11:30

Prerequisites: Advanced Course in General Physics.

HEAD PROFESSOR MICHELSON AND ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) DM. (3) At 10:30

Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced.) DM. (4) At 2:00

XVIII. PHYSICS.

R.

Autumn Quarter. Revised.

HEAD PROFESSOR MICHELSON.

Research Course.** DMM. (1). (Omitted Autumn Quarter.)Special Graduate Course.** DM (or DMM.) (2), At 10:30

Prerequisites: Advanced Course in General Physics.

HEAD PROFESSOR MICHELSON AND ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) 3 DM. (3) At 9:30

Prerequisites: Differential and Integral Calculus.

Laboratory Practice. (Advanced.) DM. (4) At 10:30

Prerequisites: Differential and Integral Calculus.

Winter Quarter.

HEAD PROFESSOR MICHELSON.

Research Course.** DMM. (1)Special Graduate Course.** 3 (DM (or DMM.) (2)

Prerequisite: Advanced Course in General Physics.

HEAD PROFESSOR MICHELSON AND ASSISTANT PROFESSOR STRATTON.

General Physics. (Advanced.) DM. (3) At 2:00**Laboratory Practice.** (Advanced.) DM. (4) At 1:30

Prerequisites: Differential and Integral Calculus.

XIX. CHEMISTRY.

K.

Special fees will be charged to students taking Laboratory Courses in Chemistry as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

In no case, however, shall a student, taking several courses in Chemistry, be charged more than \$10.00 a quarter.

Autumn Quarter.

PROFESSOR NEF.

Organic Chemistry. DM. (6) At 11:30

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations: Laboratory Work. DM. (or DMM.) (12)

Prerequisite: Qualitative and Quantitative Analysis and Organic Chemistry. (It may be taken simultaneously in connection with lectures on Organic Chemistry. Those intending to pursue research work in Inorganic Chemistry will be required to take this course as a triple Minor, and those intending to pursue research work in Organic Chemistry will be required to take the course as a triple Major).

***Research Work for Ph.D. Thesis.** Laboratory work. DMM. (14)**Journal Meetings.** (15)

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course continuing through three quarters. DM. (1)

Monday and Tuesday at 11:30

Prerequisite: Academic College Course in Physics.

Advanced Inorganic Work. DM. (or DMM.) (10)

Prerequisites: Qualitative and Quantitative Analysis, Theoretical Chemistry, Mineralogy and a reading knowledge of French and German. Those intending to pursue research work in Organic Chemistry will be required to take this course as a triple Minor, those intending to engage in Inorganic Research will be required to take the course as a triple Major.

***Research Work for Ph.D. Thesis.** (Inorganic). DMM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Qualitative Analysis. Laboratory Work. DM. (or DMM.) (4)

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM. (or DMM.) (5)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis.** (Inorganic). DMM. (14)

DR. LENGFELD.

***Theoretical Chemistry.** Lectures. Two $\frac{1}{2}$ M. (9)
Tuesday and Friday at 8:30

***Research Work for Ph.D. Thesis.** DMM. (14)

DR. STIEGLITZ.

***Organic Nitrogen Derivatives.** $\frac{1}{2}$ DM. (20)

Monday and Thursday at 8:30

Prerequisite: Organic Chemistry.

***Research Work for Ph.D. Thesis.** DMM. (14)

Winter Quarter.

PROFESSOR NEF.

Organic Chemistry. DM. (6) At 11:30

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations. Laboratory Work. DM. (or DMM.) (12)

For Prerequisites see Course 12, Autumn Quarter.

***Research Work for Ph.D. Thesis. Laboratory Work.** DM. (14)

Journal Meetings.

ASSISTANT PROFESSOR SCHNEIDER.

Advanced Inorganic Work. DM. (or DMM.) (10)
For Prerequisites and requirements see Course 10, Autumn Quarter.

Qualitative Analysis. Laboratory Work. DM. (or MM.) (4)

Prerequisite: General Chemistry.

Qualitative Analysis. Lectures. $\frac{1}{2}$ DM. (3a)
Thursday and Friday 2:00 to 3:00

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM. (or MM.) (5)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis.** (Inorganic). DMM. (14)

DR. STIEGLITZ.

Qualitative Spectrum Analysis. Laboratory Work and Lectures. $\frac{1}{2}$ DM. (16)

Wednesday and Saturday at 8:30

Prerequisite: General Chemistry.

Advanced Inorganic Work. DM. or DMM. (10a)
For Prerequisites and requirements see course 10, Autumn Quarter.

***The Carbohydrates and the Complex Hydrocarbons.** $\frac{1}{2}$ DM. (21)

Monday and Thursday at 8:30

***Research Work for Ph.D. Thesis.** DMM. (14)

DR. LENGFELD.

General Chemistry (continued.) Introductory Course. DM. (1).

Monday, Tuesday and Wednesday at 11:30 and Laboratory Monday and Tuesday, 2:00 to 5:00

Prerequisites: Academic College Course in Physics, and Course 1 in Autumn Quarter.

Theoretical Chemistry. $\frac{1}{2}$ DM. (9)
Tuesday and Friday at 8:30

***History of Chemistry.** $\frac{1}{2}$ DM. (18)
Wednesday and Thursday at 9:30

***Research Work for Ph.D. Thesis.** DMM. (14)

Spring Quarter. Revised.

PROFESSOR NEF.

Organic Chemistry. M. 1st Term. (6)

Thursday, Friday, Saturday, At 11:30

Organic Preparations. Laboratory Work. M. (or MM.) 1st Term. (12)

For Prerequisites see Autumn Quarter.

***Research Work for Ph.D. Thesis.** MM. (14)
1st Term.

Journal Meetings. Fridays, At 8:00-10:00 P.M.

ASSISTANT PROFESSOR SCHNEIDER.

Advanced Inorganic Work. DM. (or DMM.) (10)
For Prerequisites and requirements see Course 10,
Autumn Quarter.

Qualitative Analysis. Laboratory Work. DM. (or MM.) (4)

Prerequisite: General Chemistry.

Qualitative Analysis. Lectures. $\frac{1}{2}$ DM. (3a)
Thursday and Friday, At 2:00

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM. (or MM.) (5)

Prerequisite: Qualitative Analysis.

* **Research Work for Ph.D. Thesis.** (Inorganic.) DMM. (14)

DR. STIEGLITZ.

* **Research Work for Ph.D. Thesis.** DMM. (14)
Advanced Inorganic Work. M. (or MM.) 2d Term, (10a)

For Prerequisites and requirements see Course 10, Autumn Quarter.

DR. LENGFELD.

General Chemistry (continued.) DM. (1)

Prerequisites: Academic College Course in Physics, and Course 1 in Autumn and Winter Quarters.

* **Theoretical Chemistry.** $\frac{1}{2}$ M. 1st Term. (9)

* **Research Work for Ph.D. Thesis.** DMM. (14)

DR. CURTISS.

On the Aromatic Compounds. $\frac{1}{2}$ DM.

Thursdays and Saturdays, At 8:30

Summer Quarter.

PROFESSOR NEF.

Special Chapters of Organic Chemistry. $\frac{1}{2}$ M. 2d Term. (22) Fridays and Saturdays, At 11:30

* **Research Work for Ph.D. Thesis.** MM. 2d Term. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Special Chapters of Inorganic Chemistry. $\frac{1}{2}$ DM. (17) Thursdays and Fridays, At 2:00

Prerequisite: General Chemistry.

Qualitative Analysis. Laboratory Work. DM. (or DMM.)

Prerequisite: General Chemistry.

Quantitative Analysis. Laboratory Work. DM. (or DMM.)

Prerequisite: Qualitative Analysis.

Advanced Inorganic Work. DM. (or DMM.) (10)
Prerequisites: See Course 10, Autumn Quarter.

* **Research Work for Ph.D. Thesis.** (Inorganic.) DMM. (14)

DR. LENGFELD.

General Inorganic Chemistry. DMM. (8)

Mondays and Thursdays, At 11:30

Mondays and Wednesdays, 2:00-5:00

Physico-Chemical Methods. $\frac{1}{2}$ M. 2d Term. (19)

At 8:30

* **Research Work for Ph.D. Thesis.** DMM. (14)

DR. STIEGLITZ.

General Organic Chemistry. DMM. (7) At 8:30

Organic Preparations. DM. (or DMM.) (13)

For Prerequisites see Course 21, Autumn Quarter.

* **Research Work for Ph.D. Thesis.** DMM. (14)

XX. GEOLOGY.

W.

Seminar. Fortnightly during the year, under the presidency of the Head of the Department, aided by the departmental faculty. (25)

Autumn Quarter.

HEAD PROFESSOR CHAMBERLIN.

* **Principles and Working Methods of Geology.** DM. (or MM.) (22) At 10:30

Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Local Field Geology. (24)

Special Geology. (23)

PROFESSOR SALISBURY.

Geographic Geology. DM. (or MM.) (10) At 11:30

Local Field Geology. (24)

ASSOCIATE PROFESSOR IDDINGS.

Crystallography. M. 1st Term. (2) At 9:30

Prerequisites: Physics and Inorganic Chemistry.

Physical Mineralogy. M. 2d Term. (3) At 9:30

Prerequisite: Course 2.

Petrography. DM. (or MM.) (6) At 2:00

Prerequisites: Courses (2) and (3).

MR. KUMMEL.

Laboratory Work in Geographic Geology. M. 2d Term. (11)

Winter Quarter.

HEAD PROFESSOR CHAMBERLIN.

* **Principles and Working Methods of Geology.** DM. (or MM.) (22) At 10:30

Prerequisites: General Geology, Elements of Mineralogy and Petrology.

Special Geology. (23)

PROFESSOR SALISBURY.

Structural Geology and Continental Evolution.
DM. (or MM.) (12). At 11:30

Prerequisites: Elementary Mineralogy and Petrology, Chemistry and Physics, and Geology course (10).

Dynamic Geography. MM. (or M.) (13)

General Geology. DM. (9)

ASSOCIATE PROFESSOR IDDINGS.

Descriptive Mineralogy. DM. (4)

Prerequisites: Courses (2) and (3).

Petrography. DMM. (or DM.) (6)

Prerequisites: Courses (2) and (3).

ASSOCIATE PROFESSOR PENROSE.

***Economic Geology.** DM. (14)

Prerequisites: Geology, Mineralogy, Chemistry, and Physics.

Chemistry of Ore Deposits. DM. (15)

Prerequisite: Course (14).

PROFESSOR VAN HISE.

Pre-Cambrian Geology. M. 1st Term. (19)

Laboratory Course in Connection with Pre-Cambrian Geology. M. 1st Term. (20)

DR. QUEREAU.

Morphological Types, considered especially from a palæontological standpoint. Lectures and laboratory work. MM. (or M.) 1st Term. (18b)

Prerequisites: Zoölogy, Botany.

Palæozoic Faunas. Lectures and laboratory work. MM. (or M.) 2d Term. (18c)

Prerequisites: Zoölogy, Botany, Elements of General Geology.

DR. MERRIAM.

Mesozoic Palæontology. Lectures and laboratory work. MM. (or M.) 2d Term. (18d)

Prerequisites: Biology, General Geology.

Spring Quarter. Revised.

HEAD PROFESSOR CHAMBERLIN.

Seminar (continued). (25) Tuesdays at 4:00

Geologic Life Development. DM. (16) At 10:30

Prerequisites: Zoölogy, Botany, Course (12) or (9) Geology.

Local Field Geology (continued). (24)

Special Geology (continued). (23)

ASSOCIATE PROFESSOR IDDINGS.

Petrology. DM. (5)

At 9:30

Prerequisites: Courses (2) and (3) Geology.

***Petrography.** DM. (or MM.) (6)

At 11:30

DR. QUEREAU.

Palæozoic Faunas (continued). DMM. (or DM.) (18c)

At 4:00.

Summer Quarter.

PROFESSOR SALISBURY.

Geographic Geology (at the University). M. (or MM.) 1st Term. (26a)

At 9:30

Prerequisites: Physiography, Elementary Geology, Elementary Physics, and Chemistry.

Field Geology. (Selected localities in the field, centering about Devil's Lake, Wisconsin.)

2d Term. DMM. (26b)

Prerequisites: Course (26a) or its equivalent.

XXI. BOTANY.

No courses in this Department will be given during 1893-4.

XXII. ZOÖLOGY.

K.

Autumn Quarter.

HEAD PROFESSOR WHITMAN.

***Embryology. Higher Invertebrates.** DMM. (1)

At 3:00

Prerequisites: The introductory Courses in Embryology, Anatomy, and Histology.

***Seminar. Historical Topics.** DM. (3)

MR. LILLIE.

Vertebrate Embryology. DMM. (4)

Prerequisites: General Biology, outlines of Vertebrate Zoölogy, Palæontology, Histology.

DR. WATASE'.

Cellular Biology. Lectures and Demonstrations. To be given at the Biological Club). (7)

Winter Quarter.

HEAD PROFESSOR WHITMAN.

***Embryology. Higher Invertebrates (continued).** DMM. (1)

At 3:00

For prerequisites see Autumn Quarter.

*Seminar. Historical Topics (continued). DM. (3)

MR. LILLIE.

Vertebrate Embryology (continued). DMM. (4)
At 10:30

For Prerequisites see Autumn Quarter.

DR. WATASE'.

Cellular Biology (continued). Lectures and demonstrations. To be given at the Biological Club.
(7)

DR. JORDAN.

Special Bacteriology. DMM.

Prerequisites: General Biology, Sanitary Biology.

Spring Quarter. Revised.

HEAD PROFESSOR WHITMAN.

*Embryology. Tectonics of the Vertebrate Embryo.
DMM. (2) At 4:00

Prerequisites: The introductory courses in Morphology.

DR. JORDAN.

Sanitary Biology. DM. (6)

Prerequisite: Chemistry.

Special Bacteriology (continued). DMM.

At 8:30-12:30 and 2:30-4:30

Prerequisites: General Biology, Sanitary Biology.

Biological Readings. $\frac{1}{2}$ DM. At 2:00

Prerequisites: General Biology, German and French.

DR. WATASE'.

Cellular Biology (continued). Lectures and demonstrations. To be given at the Biological Club.
(7) At 3:00

Anatomy and Physiology of Cell. DM.

At 10:30

Prerequisites: General Biology, Histology, and Embryology.

Summer Quarter.

HEAD PROFESSOR WHITMAN.

Marine Biology at the Marine Biological Laboratory, Wood's Holl.

PALÆONTOLOGY,

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.
M. (8) At 11:30

*Research in the Osteology of Living and Extinct Vertebrates. DMM. (11)

Prerequisites: Comparative Osteology and Phylogeny of Vertebrates.

Winter Quarter.

ASSISTANT PROFESSOR BAUR.

*Comparative Osteology and Phylogeny of Vertebrates. DM in connection with Course 10. (9)
At 11:30

Prerequisites: Vertebrate Zoölogy, Anatomy, Embryology, Geology.

*Seminar in Comparative Osteology. DM in connection with Course 9. (10)

*Research in the Osteology of Living and Extinct Vertebrates. DMM. (11).

For Prerequisites see Autumn Quarter.

Spring Quarter. Revised.

ASSISTANT PROFESSOR BAUR.

*Comparative Osteology and Phylogeny of Vertebrates. DM in connection with Course 10. (9)
At 11:30

*Seminar in Comparative Osteology. DM in connection with Course 9. (10) At 3:00

*Research in the Osteology of Living and Extinct Vertebrates. DMM. (11) 8:30-12:30
2:00-4:00

Summer Quarter.

ASSISTANT PROFESSOR BAUR.

Palæontological Field Work. (12)

XXIII. ANATOMY AND HISTOLOGY.

K.

Winter Quarter. Revised.

MR. EYCLESYMER.

General Histology of Animals. DM. (1) At 2:00

Spring Quarter.

MR. EYCLESYMER.

Research Methods. DM. (4) At 2:00

Summer Quarter.

MR. EYCLESYMER.

Research Methods. DM. (repeated) (4) At 2:00

XXIV. PHYSIOLOGY.

R.

Autumn Quarter.

ASSISTANT PROFESSOR LOEB.

*Original Investigation in Physiology. DMM. (1)

Physiology of the Sense Organs and the Peripheral and Central Nervous System. DM. (2)
At 9:30

Laboratory Work in Physiology of the Sense Organs and the Nervous System. In connection with Course 4. (3)

Seminar. In connection with Course (3). (4)

NOTE.—Courses 3 and 4 taken together form an advanced course in Physiology (Double Minor). With the permission of the Instructor they may be taken together by students of Course 2 as a Double Major.

Winter Quarter.

ASSISTANT PROFESSOR LOEB.

*Original Investigation in Physiology (continued). DMM. (1) At 9:30

Physiology of Circulation, Respiration, and Animal Heat. DM. (5) At 4:30

Prerequisite: Course 2.

Laboratory Work in the Physiology of Circulation, Respiration and Animal Heat. (6)

Seminar: in connection with Course (6). Together with Course 6. DM. (7)

Prerequisites: Courses 3 and 4.

DR. LINGLE.

Introductory Physiology. DM. (13) At 2:00

Spring Quarter. Revised.

ASSISTANT PROFESSOR LOEB.

*Original Investigation in Physiology (continued). DMM. (1) At 9:30

General Physiology of Animals and Plants. Lectures in connection with Course (10). (9) At 10:30

General Physiology of Nerves and Muscles. Together with Course 9. DM. (10) At 10:30

Laboratory Work in Physiology of Nerves and Muscles and in General Physiology. (11)
Tuesdays and Fridays 2:00–4:00

Seminar: in connection with Course 11. Together with Course 11. DM. (12)

Wednesday at 2:00–4:00

Prerequisites: Courses (4) and (3).

DR. LINGLE.

General Laboratory Work in Physiology.

Monday, Wednesday, and Thursday at 2:00–5:00

Summer Quarter.

DR. LINGLE.

Physiology of Digestion, Secretion, and Metabolism. DM. (or DMM). (8) Lectures and Laboratory work.

Prerequisites: Courses (2) and (5).

XXV. NEUROLOGY.

K 45.

Autumn Quarter.

PROFESSOR DONALDSON.

The Architecture of the Central Nervous System. DM. (1) At 8:30

Prerequisite: General Histology.

*Seminar. DM. (6) At 8:30

Winter Quarter.

PROFESSOR DONALDSON.

Anatomy of the Special Sense Organs. M. 1st Term. (2). At 8:30

Prerequisite: General Histology.

Physical Characters of the Brain as related to the Intelligence. M. 2d Term. (3) At 8:30
Prerequisite: General Histology.

*Seminar. DM. (6) At 9:30

Spring Quarter. Revised.

PROFESSOR DONALDSON.

Doctrine of Localization of Function in the Cerebral Cortex. DM. (4) Thursday at 8:30

Prerequisites: Histology and Elementary Physiology.

*Seminar. DM. (6) Friday at 8:30

DR. MEYER.

Twelve Lectures with demonstrations
Friday at 3:00–5:00

An introduction to Comparative Anatomy of the central nervous system.

Summer Quarter.

PROFESSOR DONALDSON.

The Development of the Central Nervous System.

DM. (5)

At 8:30

Prerequisites: Histology and Embryology.

* Seminar. DM. (6)

Winter Quarter.

MR. CLARK.

Writing and Delivery of Original Orations, Analysis and Reading of Macbeth. M. (3)

MESSRS. HILL, LOVETT, AND CLARK.

Oral Debates. (II 4)*Spring Quarter. Revised.*

MR. CLARK.

Advanced Elocution. Repeated. M. (21)

Tuesday and Friday at 2:00

XXVI. ELOCUTION.

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 2 hrs. a week. M. (2).

ANNOUNCEMENTS FOR THE ACADEMIC COLLEGES.

The following is a list of the titles of courses to be offered in the Academic Colleges from October, 1893, to October, 1894. For full description of courses consult the ANNUAL REGISTER or the DEPARTMENTAL PROGRAMMES. The number of each course in the REGISTER is indicated by the figure in parentheses following the title.

Full Announcements for the Summer Quarter (1894) will be made in the May CALENDAR.

REGISTRATION.—Students in residence must register for the Spring Quarter on or before March 8. The registration card will be filled out in consultation with the Dean. The Dean may be consulted at his Office Hours.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before April 2, 1894. Registration after this day may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

II. POLITICAL ECONOMY.

C 3-8.

Autumn Quarter.

PROFESSOR A. C. MILLER.

Principles of Political Economy. DM. (1) At 8:30.
Open only to students who elect 1A or 1B in the Winter Quarter.

Winter Quarter.

NOTE.—Either 1A or 1B is required of students who took Course 1 in the Autumn Quarter.

PROFESSOR A. C. MILLER.

Advanced Political Economy. DM. (1A) At 8:30

MR. CALDWELL.

Descriptive Political Economy. DM. (1B) At 8:30

MR. HILL.

Industrial and Economic History. DM. (2)
At 9:30

III. POLITICAL SCIENCE.

C. 1, 9, 10, 12.

Spring Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (16). At 11:30

Summer Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (16, repeated). At 11:30

IV. HISTORY.

C 5-8.

Autumn Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (47)
At 10:30

DR. SCHWILL.

Outline History of Modern Europe. DM. (48)
At 3:00

Prerequisite: Course 47.

Winter Quarter.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (47, repeated).
First section At 10:30
Second section At 11:30

DR. SCHWILL.

Outline History of Modern Europe. DM. (48 repeated).
At 3:00
Prerequisite: Course 47.

Spring Quarter. Revised.

ASSISTANT PROFESSOR THATCHER.

Outline History of the Middle Ages. DM. (47, repeated).
At 10:30

DR. SCHWILL.

Outline History of Modern Europe. DM. (48, repeated).
At 3:00
Prerequisite: Course 47.

DR. KENT.

Outline of Hebrew History. (See Semitic Languages, course 33).
At 11:30

MR. CONGER.

Political Geography of Europe. (See Political Science, Course 16).

NOTE.—Courses 47 and 48 are required of all students who intend to present themselves as candidates for the Bachelor's degree. They are accordingly repeated each Quarter.

X. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

PROFESSOR SHOREY.

Homer. DM. (7) At 10:30
Open to Academic College Students who have completed two or more Majors with credit.

ASSOCIATE PROFESSOR TARBELL.

Two Plays of Euripides. DM. (4) At 9:30

ASSISTANT PROFESSOR CASTLE.

Xenophon (Memorabilia); **Plato** (Apology and Crito). DMM. (2) At 8:30 and 3:00

Winter Quarter.

MR. W. B. OWEN.

Homer (Iliad, Books I-III); **Review of Greek Grammar.** DM. (1) At 11:30
Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek.

Spring Quarter. Revised.

PROFESSOR SHOREY.

Introduction to Study of the Greek Drama. DM. (17) At 10:30
Open to Academic College Students who have completed two or more Majors with credit.

Greek Reading Club. (Voluntary). Once a week, October to June. (24) Tuesdays at 4:00

ASSISTANT PROFESSOR CASTLE.

Lysias. (Selected Orations). **Exercises in the Writing of Greek.** DM. (3) At 9:30
Not open to students who take Course 2.

Homer. Selections from the Odyssey. DM. (5) At 10:30

Summer Quarter.

MR. W. B. OWEN.

Xenophon. (Memorabilia); **Plato** (Apology and Crito). DMM. (2) At 8:30 and 3:00

XI. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Autumn Quarter.

DR. MILLER.

Horace (Odes); **Wilkins's Primer of Roman Literature.** Section 1. DM. (8a) At 9:30

Horace (Odes); **Wilkins's Primer of Roman Literature.** Section 2. DM. (8b) At 11:30

MR. EMERY.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 1. DMM. (3b) At 8:30 and 3:00

MR. ———.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 2. DMM. (3a) At 8:30 and 3:00

Winter Quarter.

DR. MILLER.

Horace (Odes); **Wilkins's Primer of Roman Literature.** DM. (8c) At 10:30

Horace (Satires); **Seneca** (Tragedies). DM. (9) At 11:30

Open only to students who have completed the required three Majors in Latin.

MR. EMERY.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 2. DMM. (3c) At 8:30 and 3:00

MISS PELLETT.

Virgil (Æneid); **Cicero** (Orations). DMM. (1) At 8:30 and 3:00

Open only to students in the Course in Science.

Spring Quarter. Revised.

DR. MILLER.

Cicero (de Senectute); **Livy** (Books xxi and xxii); **Terence** (Phormio); **Tacitus** (Germania and Agricola). Section 1. DMM. (3d) At 8:30 and 3:00

MR. EMERY.

Horace (Satires). DM. (9) At 11:30
Open only to students who have completed three majors in Latin.

Selections from Ovid, Horace, Catullus, and Cicero's Letters. DM. (2a) At 8:30
Open only to students in the Course in Science, who have already taken Course 1.

Summer Quarter.

DR. MILLER.

- Cicero (de Senectute); the Writing of Latin. M.
1st Term. (4) At 9:30
Terence. M. 1st Term. (5) At 10:30

MR. ———.

- Livy; the Writing of Latin. M. 2d Term. (6)
At 9:30
Horace (Odes). M. 2d Term. (7) At 10:30

NOTE.—All Courses are required excepting Course 9, Winter and Spring Quarters.

Summer Quarter.

DR. KINNE.

- French Grammar; Knapp's French Readings (for
beginners). DMM. (29, repeated).
At 8:30 and 3:00
A Course in Rapid Reading. DM. (30, repeated).
At 9:30
Prerequisite: Course (29) or its equivalent, as
above.

NOTE.—Dr. Kinne's Courses will be repeated each Quarter.

XII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Autumn Quarter.

DR. KINNE.

- Selections from Erckmann-Chatrion, etc. DMM.
(28) At 8:30 and 3:00
French Grammar; Knapp's French Readings (for
beginners). DM. (29) At 3:00

MISS WALLACE.

- Knapp's Spanish Grammar. DM. (9) At 9:30

Winter Quarter.

DR. KINNE.

- Knapp's French Readings continued; French
Grammar continued. DMM. (30)
At 8:30 and 2:00
Selections from Musset, Lamartine, etc. DMM.
(31) At 8:30 and 3:00

MISS WALLACE.

- Knapp's Spanish Readings. DM. (10, continued).
At 9:30

Spring Quarter. Revised.

DR. KINNE.

- French Grammar; Knapp's French Readings (for
beginners). DMM. (29, repeated).
At 8:30 and 3:00
A Course in Rapid Reading. DM. (30) At 9:30
Prerequisite: Course (29) or its equivalent.
(Elementary French, as in *Circular of Informa-*
tion, p. 16, is accepted as such equivalent).

MISS WALLACE.

- Spanish Readings. DM. (11, continued). At 9:30

XIII. THE GERMANIC LANGUAGES AND LITERATURES

B 9-11.

Autumn Quarter.

ASSISTANT PROFESSOR CUTTING.

- Modern Prose. DM. (19a) At 8:30
For students who have passed the entrance
examination in Elementary German.
Prerequisite: Course (17), or its equivalent.

DR. SCHMIDT-WARTENBERG.

- Outline Study of Goethe's Works. DM. (23)
At 3:00
For students who have passed the entrance
examination in Advanced German.

DR. VON KLENZE.

- German Lyrics. DM. (21) At 2:00
For students who have passed the entrance
examination in Advanced German.

MR. MULFINGER.

- Elementary Course in German. DMM. (17)
At 8:30 and 3:00
Required of all Academic College students
who entered without German.

Winter Quarter.

ASSISTANT PROFESSOR CUTTING.

- German Comedies. DM. (20) At 9:30
For students who have passed the examination
in Elementary German.
Prerequisite: Course (19a), or its equivalent.

MR. MULFINGER.

- Elementary Course. DMM. (17) At 8:30 and 3:00
Required of all Academic College students
who entered without German.
Intermediate Course. DM. (18) At 11:30
Prerequisite: Course (17), or its equivalent.

Spring Quarter. Revised.

DR. SCHMIDT-WARTENBERG.

Modern Prose. DM. (19b) At 2:00

For students who have passed the entrance examination in Elementary German.

Prerequisite: Course (20), or its equivalent.

German Prose Composition. M. 2nd Term. (22) At 4:00

For students who have passed the entrance examination in Elementary German.

Prerequisite: Course (24), or its equivalent.

Boisen's Preparatory Book of German Prose. M. 1st Term. (24) At 11:30

For students who have passed the entrance examination in Elementary German.

Prerequisite: Course (17), or its equivalent.

Summer Quarter.

ASSISTANT PROFESSOR CUTTING,

German Lyrics. DM. (21) At 9:30

For students who have passed the entrance examination in Advanced German.

DR. VON KLENZE.

Modern Prose. DM. (19c) At 2:00

For students who have passed the entrance examination in Elementary German.

Prerequisite: Course (19b), or its equivalent.

MR. MULFINGER.

Elementary Course. DMM. (17) At 8:30 and 3:00

Required of all Academic College students who entered without German.

XIV. THE ENGLISH LANGUAGE AND LITERATURE,
AND RHETORIC.

K.

Autumn Quarter.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (10) At 8:30

Prerequisite: Course (1).

Required of all Academic College students.

English Romantic Poetry. DM. (18) At 9:30

Prerequisite: Course (10)

MR. LOVETT.

English Composition. Advanced Course. DM. (2) Elective. At 9:30

Prerequisite: Course (1).

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1 A) Class-room instruction, short themes, and exercises for one Quarter. At 2:00

(1 B) Themes to follow (1 A) for two Quarters. Attendance at consultation hours required:

(1 C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Course 1 C will be given during the Autumn, Winter, and Spring Quarters after Oct. 1, 1894.]

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Robert Browning. DM. (20)

At 11:30

Winter Quarter.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (10, repeated). At 9:30

Required of all Academic College students.

Prerequisite: Course (1).

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1 A) Class-room instruction, short themes and exercises for one Quarter. At 2:00

(1B) Themes to follow (1A) for two Quarters.

Attendance at consultation hours required:

Sec. a, Mondays, 11:30.

Sec. b, Wednesdays, 2:00.

Sec. c, Saturdays, 9:30.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Course (1C) will be given during the Autumn, Winter, and Spring Quarters after Oct. 1, 1894.]

MR. TRIGGS.

English Literature of the 19th Century. The Poetry of Tennyson and Arnold. DM. (21) At 11:30
Prerequisite: English (10.)

Spring Quarter. Revised.

ASSISTANT PROFESSOR TOLMAN.

English Literature. DM. (10, repeated). 9:30
Required of all Academic College students.
Prerequisite: Course (1).

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. At 2:00.

(1B,) continued. Themes to follow (1A) for two Quarters. Attendance at consultation hours required.

Wednesday, 1:30 and 4:00.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Course (1C) will be given during the Autumn, Winter, and Spring Quarters after Oct. 1, 1894.]

MR. HERRICK.

An Historical Outline of English Prose Literature from Dryden to Goldsmith. DM. (30) At 3:00
Prerequisites: Courses (1) and (10).

MR. LOVETT.

English Composition. DM. (2, repeated). At 9:30
Prerequisites: Courses (1A) and (1B.)
[Students who elect Course 2 are excused from Course 1C.]

Argumentative Composition. DM. (3) At 8:30

Prerequisites: Courses (1A) and (1B).

MR. TRIGGS.

English Literature of the 19th Century. Emerson, Thoreau, Lowell, and Whitman. DM. (22) At 11:30

Prerequisite: Course (10).

Summer Quarter.

MR. ———.

English Literature. DM. (10, repeated). At 9:30
Required of all Academic College Students.
Prerequisite: Course (1).

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1, repeated).

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. At 2:00.

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-16.

Autumn Quarter.

MR. VOTAW.

History of New Testament Times. DM. (B.1) At 9:30

Winter Quarter.

MR. VOTAW.

The Life of Christ. DM. (B.2) At 2:00

Spring Quarter. Revised.

DR. KENT.

Outline of Hebrew History. DM. At 11:30
Messianic Prophecy. M. 2d Term. At 10:30

MR. WOODRUFF.

The Gospel of Luke on the Basis of the Revised Version. M. 1st Term. (B.9) At 9:30

Summer Quarter.

MR. VOTAW.

The Gospel of John. M. 1st Term. (B.10).

XVI. MATHEMATICS.

R.

*Autumn Quarter.***Required Mathematics, Course 1.**

Two consecutive double minors of mathematics are required of every student in the first year of residence. The topics are *Algebra*, *Plane Trigonometry*, and *Co-ordinate Geometry of the Point, Line, and Circle*.

Sections a, b, and c take the work in the Autumn and Winter Quarters, sections d, e, and f in the Winter and Spring Quarters.

Students wishing to specialize early in Chemistry or Physics should enter section a, b, or c.

If students are allowed to matriculate with entrance conditions in mathematics, they are expected to remove these conditions at the next regular entrance examination, and, until this has been done, they may not take the required college mathematics.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30

The mathematical elective for the Academic College. To be continued through three quarters. Autumn quarter; Smith's Conic Sections.

DR. YOUNG.

Required Mathematics. Section c; first quarter.
DM. (1c) At 9:30

DR. BOYD.

Plane Trigonometry. M. 1st Term. (2) At 10:30
Prerequisite: College Algebra.

Spherical Trigonometry. M. 2d Term. (3) At 10:30
Prerequisites: Solid Geometry and Plane Trigonometry.

DR. BOYD.

Required Mathematics. Section a; first quarter.
DM. (1a) At 9:30

Required Mathematics. Section b; first quarter.
DM. (1b) At 2:00

Winter Quarter.

PROFESSOR MOORE.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30

Elective, continued. Winter quarter; Byerly's Differential Calculus.

DR. BOYD.

Required Mathematics. Section a; second quarter.
DM. (1a) At 9:30

Required Mathematics. Section b; second quarter.
DM. (1b) At 2:00

Required Mathematics. Section c; second quarter.
DM. (1c) At 10:30

MR. SLAUGHT.

Required Mathematics. Section d; first quarter.
DM. (1d) At 10:30

Required Mathematics. Section e; first quarter.
DM. (1e) At 11:30

MR. SMITH.

Required Mathematics. Section f; first quarter.
DM. (1f) At 2:00

Spring Quarter. Revised.

DR. YOUNG.

Plane Trigonometry. DM. (2b) At 8:30

This course is intended for those students of the Academic College who did one quarter's work in mathematics during the year 1892-3.

Required Mathematics. Section d; second quarter.
DM. (1d) At 10:30

DR. BOYD.

Plane Analytic Geometry and Differential and Integral Calculus. DM. (5) At 9:30

Elective, continued. Spring Quarter; Byerly's Differential Calculus and Byerly's Integral Calculus (indefinite integration).

Required Mathematics. Section f; second quarter.
DM. (1f) At 11:30

MR. SLAUGHT.

Required Mathematics. Section e; second quarter.
DM. (1e) At 11:30

Summer Quarter.

MR. SMITH.

Plane Analytical Geometry. DM. (4b)

Plane Trigonometry. DM. (4a)

XVIII. PHYSICS.

R.

Autumn Quarter.

MR. HOBBS.

Laboratory Practice. (General). DM. (6) At 1:30
Prerequisite: First Quarter of (5)

Winter Quarter.

ASSISTANT PROFESSOR STRATTON.

General Physics. DM. (5) At 8:30
Prerequisite: Plane Trigonometry.

MR. HOBBS.

Laboratory Practice. (General). DM. (6, repeated).
At 1:30
Prerequisite: First Quarter of (5).

Spring Quarter. Revised.

ASSISTANT PROFESSOR STRATTON.

General Physics. DM. (5, continued). At 8:30
Prerequisite: Plane Trigonometry.

MR. HOBBS.

Laboratory Practice. (General). DM. (6, repeated).
At 1:30
Prerequisite: First Quarter of (5).

Summer Quarter.

MR. _____

General Physics. DMM. (7) At 9:30
Prerequisite: Plane Trigonometry.

MR. _____

Laboratory Practice. (General) DM. (6, repeated).
At 1:30
To accompany Course (7).

XIX. CHEMISTRY.

K.

Autumn Quarter.

ASSISTANT PROFESSOR STOKES.

General Chemistry. Introductory Course. DM. (1)
Monday, Tuesday, and Wednesday at 11:30.
A continuous course through three Quarters.
Prerequisites: Courses 5 and 6 in Physics.

Winter Quarter.

DR. LENGFELD.

General Chemistry. Introductory Course. DM. (1
continued). Monday, Tuesday, and Wednesday
at 11:30, and Laboratory Monday, Tuesday and
Wednesday 2:00 to 5:00.
Prerequisite: Course 1 in 1st Quarter.

Spring Quarter. Revised.

DR. LENGFELD.

General Chemistry. Introductory course. DM. (1
continued). At 11:30
Prerequisite: Course 1 in 1st and 2d Quarters.

Summer Quarter.

DR. LENGFELD.

General Inorganic Chemistry. DM. (8) Monday-
Thursday at 11:30. Laboratory work Monday,
Tuesday, and Wednesday, 2:00-5:00.
Prerequisite: Academic College courses in
Physics.

XX. GEOLOGY.

W.

Autumn Quarter.

PROFESSOR SALISBURY.

Physiography. DM. (1) At 9:30

Winter Quarter.

MR. KÜMMEL.

Physiography. DM. (1, repeated). At 9:30

XXII. ZOÖLOGY.

S.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.
M. 1st Term. (8) At 9:30

DR. JORDAN.

General Biology. DM. (5) At 10:30
Prerequisites: Elementary Chemistry and
Physics.
Laboratory work, Monday and Tuesday at
2:00-6:00.

Winter Quarter.

DR. JORDAN.

General Biology (continued). DM. (5) At 10:30
Prerequisites: Elementary Chemistry and
Physics.
Laboratory Work. Monday and Tuesday 2:00-5:00

Summer Quarter.

DR. JORDAN.

General Biology. DM. At 9:30
Prerequisites: Elementary Chemistry and
Physics.

XXIV. PHYSIOLOGY.

S.

Winter Quarter.

DR. LINGLE.

Introductory Physiology.

At 2:00

Spring Quarter. Revised.

ASSISTANT PROFESSOR LOEB.

General Physiology of Animals and Plants.

At 10:30

Prerequisites: General Physics, Chemistry,
Introductory Physiology.

XVI. ELOCUTION.

Autumn Quarter.

MR. CLARK.

Theory and Practice. One hour a week during the year. Required of students in 2d year of Academic College. (1)**Advanced Elocution.** 2 hrs. a week. M. (2) Open to the University Colleges and to students who have completed elsewhere work equivalent to Course 1.*Winter Quarter.*

MR. CLARK.

Theory and Practice. One hour a week. (1)**Writing and Delivery of Original Orations, Analysis and Reading of Macbeth.** M. (3)

Prerequisites: Courses 1 and 2.

Spring Quarter. Revised.

MR. CLARK.

Theory and Practice (continued). 6 sections. One hour a week. (1, required).

Tuesday, 8:30, 9:30 and 10:30

Wednesday, 11:30, 2:00 and 3:00

XXVII. PHYSICAL CULTURE.

Class Work in Physical Culture is required of all undergraduate students not excused on account of physical disability, during four half-hours a week. Students are given choice of hour and course. Courses are offered in prescriptive work, general class drills, and athletic training. Each course is so arranged that those who take part in it receive work which tends to symmetrical development.

Students will select their period for class work from the following: Men—8:45, 9:45, 10:45, 11:45 A.M.; 5:15 P.M. Women—11:45 A.M. and 4:15 P.M. for beginners, and 3:15 and 5:15 P.M. for advanced students. Training for any of the University Athletic Teams will be accepted as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday, Wednesday, Thursday, and Friday of each week. Bulletins containing appointments for physical examination and departmental communications will be posted on the Physical Culture bulletin board.

Six Quarters' work in Physical Culture is required of Academic College students and four Quarters of University College students. Students taking an excessive number of cuts will not be allowed to continue their University work until they shall conform to the requirements.

COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL.

OCTOBER 1, 1893, TO OCTOBER 1, 1894.

THE GRADUATE DIVINITY SCHOOL.

NOTE.—The following is a list of the titles of courses given in the Divinity School from October 1, 1893, to October 1, 1894.

For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENT PROGRAMMES. The number of each course in the REGISTER is indicated by the number in parentheses following the title of the course.

The hours of the exercises will be announced in the Time Schedule of the Divinity School. The days on which exercises are held will be indicated by the instructor.

Abbreviations: A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered.

The abbreviations used in the descriptions of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Spring Quarter on or before March 8; the registration card may be obtained from the Dean. The student will, (1) write upon the card the titles and numbers of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before March 8.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before April 2, 1894. Registration after this date may be secured only (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

XXX. OLD TESTAMENT LITERATURE AND EXEGESIS. D 12-16.

The Department Numbers XXX and VII are identical. For additional courses see announcements of Graduate School and Colleges.

Earliest Unilingual Cuneiform Inscriptions. M. 1st Term. (78)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity. DM or MM. (IV. 1)

DR. CRANDALL.

Sight Translation in Hebrew. DM. (8)

DR. KENT.

Old Testament Wisdom Literature. DM. (31)

VII. SEMITIC LANGUAGES AND LITERATURES.

Autumn Quarter.

HEAD PROFESSOR HARPER.

Later Suras of the Kuran. DMM or DM (65)

Hexateuchal Analysis. DM. (55)

PROFESSOR HIRSCH.

Introduction to Talmudic Literature. M. 1st Term. (34)

Job. M. 1st Term. (40)

Reading of Selected Portions of the Babylonian Talmud. M. 2d Term. (37)

Introduction to the Textual Criticism of the Old Testament. M. 2d Term. (38)

ASSOCIATE PROFESSOR PRICE.

Special Introduction. DM. (30)

Bilingual Babylonian Psalm Literature. M. 2d Term. (77)

Winter Quarter.

HEAD PROFESSOR HARPER.

Arabic Poetry and Inscriptions. DM. (55)

Hebrew Language. DM. (1)

PROFESSOR HIRSCH.

Abodah Zarah. M. 1st Term. (48)

Selected Portions of the Mishna. M. 1st Term. (43)

Coptic. M. 2d Term. (44)

New Testament and Talmudic Analogies. M. 2d Term. (46)

ASSOCIATE PROFESSOR PRICE.

Jeremiah. M. 1st Term. (21)

Isaiah, Chapters XL-LXVI. M. 2d Term. (23)

Biblical Aramaic. DM.

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. DM. (69)

Advanced Assyrian. DM. (71)

Beginning Syriac. DM. (88)

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (4)

DR. KENT.

Apocryphal Wisdom Literature. DM. (32)

ASSOCIATE PROFESSOR GOODSPEED.

Biblical History from the Exile to the Christian Era. M. 1st Term. (IV. 2a)

Spring Quarter. Revised.

HEAD PROFESSOR HARPER.

The Three Legal Codes. M. 1st Term. (13)

Old Testament Legal Literature. M. 2d Term. (27)

Seminar in Comparative Semitic Grammar. DM. (94)

Hebrew Syntax. M. 2d Term.

PROFESSOR HIRSCH.

Arabic: Thousand and One Nights. DM. (66)

Advanced Syriac. DM. (50)

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel. M. 1st Term. (6)

Modern Discoveries and the Old Testament. M. 1st Term. (56)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Babylonia and Assyria. M. 2d Term. (IV. 3b)

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Geography. M. 1st Term. (61)

Assyrian and Babylonian Life. M. 2d Term. (59)

Assyrian Letters. M. 1st Term. (75)

Babylonian Contracts. M. 2d T. (76)

Early Historical Inscriptions. DM. (72)

DR. CRANDALL.

Sight Translation in Hebrew. M. 2d Term. (9)

The Books of Samuel. M. 1st Term. (6)

DR. KENT.

Outline of Hebrew History. DM.

Minor Prophets of the Assyrian Period. M. 1st Term.

Messianic Prophecy. M. 2d Term.

Summer Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets of the Babylonian Period. M. 2d Term. (11)

The Arabic Language. M. 2d Term. (63)

Advanced Hebrew Grammar. M. 2d Term. (97)

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (3)

Ezekiel. (English) M. 1st Term. (XII. A2)

ASSOCIATE PROFESSOR GOODSPEED.

Relation of Hebrew and Babylonio-Assyrian History. 2d Term. (IV. 56)

The Relations of Hebrew and Egyptian History. M. 1st Term. (IV. 5a)

Islam. DM. (VI. 4)

ASSOCIATE PROFESSOR HARPER.

Beginning Assyrian. DM. (69)

Advanced Assyrian. DM. (71)

The Book of Proverbs. M. 1st Term. (17)

Micah. M. 2d Term. (14)

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5)

XXXI. NEW TESTAMENT LITERATURE AND EXEGESIS.
D 10-16.

The Department Numbers XXXI and VIII are identical.

Autumn Quarter.

HEAD PROFESSOR BURTON.

The Gospel of Matthew. DM. (8)

Prerequisite: Course (1) must precede or accompany this course or (2) precede it.

New Testament Greek. (Grammar.) DM. (1)

NOTE.—This course is intended to furnish linguistic preparation for the exegetical study of the New Testament and is prescribed for all candidates for the degree of B. D. An examination covering the ground of the course will be accepted in lieu of the course.

DR. ARNOLD.

Patristic Greek.—Justin Martyr; Teachings of the Apostles, Gospel and Revelation of Peter. (Special course.) DM. At 7:30

MR. VOTAW.

Paul's Corinthian Epistles. M. 2d Term. (14) At 2:00

Winter Quarter.

HEAD PROFESSOR BURTON.

The Gospel of John. DM. (10)

Prerequisites: (1) and (8)

New Testament Quotations from the Old Testament. Part I. The Gospels. DM. (24)

DR. ARNOLT.

History of the Problem of the Synoptic Gospels,
and of the Historical Criticism of the Fourth
Gospel. DM. (25) At 7:30

Spring Quarter. Revised.

DR. ARNOLT.

The Origin and History of the Septuagint and other
Greek Versions of the Old Testament. DM.
(43) At 8:30

MR. VOTAW.

Rapid Translation and Interpretation of Certain
Pauline Epistles. DM. (4) At 10:30

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Second Group of the Letters of the Apostle
Paul. With special reference to Galatians. M.
2d Term. (31)

DR. ARNOLT.

New Testament Quotations from the Old Testa-
ment. Part II. The Epistles. M. 1st Term.
(41) At 7:30

Paul's Epistles to the Thessalonians. Introduction
to the first group of Paul's Epistles. M. 2d
Term. (30) At 8:30

New Testament Syntax. Noun, Pronoun, and
Prepositions. M. 2d Term. (3) At 7:30

XXXII. BIBLICAL THEOLOGY.

D 10-12.

NEW TESTAMENT.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Theology of the Synoptic Gospels. DM. (1)
Prerequisites: XXXI. (1 and 8).

XXXIII. SYSTEMATIC THEOLOGY.

D 2-7.

Autumn Quarter.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. DM. (1)
Required for students who have been in the
School one year.

Soteriology. DM. (4)

Prerequisites: Theology Proper and Anthro-
pology.

For students who have been two years in the
School.

ASSISTANT PROFESSOR SIMPSON.

Apologetics. DM. (2)

Required of students in the first year.

Winter Quarter.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. DM. (1)

Required of students in the first year.

Spring Quarter. Revised.

HEAD PROFESSOR NORTHRUP.

Anthropology. M. 1st Term. At 9:30

Required of 1st year students.

Anthropology. M. 1st Term. At 11:30

Required of 2d year students.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. M. 1st Term. (5) At 3:00

Elective for students who have completed the
preceding studies of the Theological Course.

XXXIV. CHURCH HISTORY.

D 2-7.

Autumn Quarter.

HEAD PROFESSOR HULBERT.

The English Reformation and Puritanism. DM.
(12)

The Anglican Church. DM. (20)

See Course (12).

Under the Tudors, A.D. 1509-1603. DM. (27)

See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. DM. (1)

From Boniface VIII. to Luther, A.D. 1294-1517.
DM. (5)

See Course (10).

Preparation for the Protestant Reformation. DM.
(10)

Winter Quarter.

HEAD PROFESSOR HULBERT.

From Constantine to Theodosius, A.D. 311-395.
DM. (2)

The English Reformation and Puritanism (continued). DM. (12)

Under the Stuarts, A.D. 1603-1688. DM. (28)
See Courses (12) and (20).

ASSISTANT PROFESSOR JOHNSON.

The German Reformation. DM. (11)

The Lutheran Church. DM. (13)
See Course (11).

Spring Quarter. Revised.

ASSISTANT PROFESSOR JOHNSON.

Calvin and the Swiss Reformation. M. 1st Term.
(13) At 10:30

Church Polity, and Pastoral Duties. DM. (4)

Winter Quarter.

HEAD PROFESSOR ANDERSON.

Homiletics. DM. (2)

Required for students in the first year.

PROFESSORS ANDERSON AND JOHNSON.

Plans and Sermons. (1)

Required of 1st, 2d and 3d year men. (A weekly exercise.)

Spring Quarter. Revised.

HEAD PROFESSOR ANDERSON.

History of Preaching. MM. 1st Term (3)

2:00-4:00

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

Autumn Quarter.

HEAD PROFESSOR ANDERSON.

Plans and Sermons. (1)

Required of 1st, 2d and 3d year men. (A weekly exercise.)

XV. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Courses in this department in the Graduate School and the Colleges, are open to students in the Divinity School.

THE ENGLISH THEOLOGICAL SEMINARY.

THE PRESCRIBED CURRICULUM FOR THE FIRST YEAR.

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel and Kings. At 2:00.

ASSISTANT PROFESSOR SIMPSON.

Inspiration and Theology Proper. At 3:00.

ASSISTANT PROFESSOR SIMPSON.

Evidences of Christianity. At 4:00.

Spring Quarter. Revised.

MR. WOODRUFF.

Studies in the Gospel of Luke on the basis of the Revised Version. M. 1st Term. XV. (B 9)

At 9:30

ASSOCIATE PROFESSOR PRICE.

Isaiah, I-XXXIX. M. 1st Term. (XV. A. 1).

At 10:30

ASSISTANT PROFESSOR JOHNSON.

Homiletics. M. 1st Term. XXXV. (2) At 11:30

Winter Quarter.

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. DM. XXXIII. (12)

ASSISTANT PROFESSOR SIMPSON.

Anthropology. M. 1st Term. XXXIII. (9)

Ethics. DM. XXXIII. (13)

ASSISTANT PROFESSOR JOHNSON.

Homiletics. M. 2d Term. XXXV. (2)

THE PRESCRIBED CURRICULUM FOR THE SECOND YEAR.

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Books of Samuel and Kings. At 2:00.

HEAD PROFESSOR HULBERT.

History of the Church from Constantine to Theodosius. At 11:30.

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. At 3:00.

ASSISTANT PROFESSOR SIMPSON.

Evidences of Christianity. At 4:00.

Required of students who have not studied Christian Evidences.

Winter Quarter.

HEAD PROFESSOR NORTHRUP.

Theology as taught by Paul. DM. XXXIII. (12)

HEAD PROFESSOR HULBERT.

History of the Church from Theodosius to Charles the Great. M. 1st Term. XXXIV. (3)

HEAD PROFESSOR ANDERSON.

Homiletics. DM. XXXV. (16)

ASSISTANT PROFESSOR SIMPSON.

Soteriology. M. 2d Term. XXXIII. (10)**Ethics.** DM. XXXIII. (13)

Required of students who have not studied Ethics.

Spring Quarter. Revised.

ASSISTANT PROFESSOR SIMPSON.

Eschatology. M. 1st Term. XXXIII. (5)

At 3:00

MR. WOODRUFF.

Studies in the Gospel of Luke on the basis of the Revised Version. M. 1st Term. XV. (B 9)

At 9:30

ASSOCIATE PROFESSOR PRICE.

Isaiah, I-XXXIX. M. 1st Term. (XV. A. 1) *

At 10:30

THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

XL. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (DAN.-NOR.)

Autumn Quarter.

ASSISTANT PROFESSOR GUNDERSON.

General Introduction. M. 1st Term. (1)**Particular Introduction.** M. 1st Term. (2)**The Principles of Biblical Interpretation.** M. 2d Term. (3)**Exegesis.** The Epistle to the Galatians. M. 2d Term. (6)*Winter Quarter.*

ASSISTANT PROFESSOR GUNDERSON.

Exegesis. The Epistle to the Romans. DM. (7)**The Parables of Our Lord.** DM. (5)*Spring Quarter. Revised.*

ASSISTANT PROFESSOR GUNDERSON.

Sacred Geography and Biblical Antiquities. M. 1st Term. (4) At 9:30**The Epistle to the Ephesians.** M. 1st Term. (8) At 10:30

XLI. SYSTEMATIC THEOLOGY. (DAN.-NOR.)

Winter Quarter.

PROFESSOR JENSEN.*

Introduction to the Science of Christian Theology M. 1st Term. (1)**Antecedents of Redemption.** M. 1st Term. (2)**Redemption Itself.** M. 2d Term. (3)**Consequents of Redemption.** M. 2d Term. (4)

XLII. HOMILETICS AND PASTORAL DUTIES. (DAN.-NOR.)

Autumn Quarter.

PROFESSOR JENSEN.*

Theory of Preaching. M. 1st Term. (1)**Sermonizing and Preaching.** DM. (2)**Pastoral Theology.** 2d Term. (3)

* In the absence of Professor Jensen, instruction is given by Professor Wold.

THE SWEDISH THEOLOGICAL SEMINARY.

XLV. OLD AND NEW TESTAMENT LITERATURE AND
EXEGESIS. (SWEDISH.)

Autumn Quarter.

ASSISTANT PROFESSOR MORTEN.

Exegesis. The Gospels in Harmony. DM. (3)
The Epistle to the Romans. M. 1st
Term. (5)
The Catholic Epistles. M. 2d Term. (6)

Spring Quarter.

ASSISTANT PROFESSOR MORTEN.

Exegesis. The Epistle of the Hebrews. M. 1st
Term. (7) At 8:30

XLVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES.
(SWEDISH.)

Autumn Quarter.

PROFESSOR LAGERGREN.

Theological Prenotions. M. 1st Term. (1)
General Introduction. M. 2d Term. (2)
The Doctrine of Redemption and Salvation.
M. 1st Term. (6)
The Doctrine of the Church, or Church Polity.
M. 2d Term. (7)

Winter Quarter.

PROFESSOR LAGERGREN.

The Bible a Revelation from God. M. 1st Term. (3)

The Doctrine of God. M. 2d Term. (4)
The Last Things. M. 1st Term. (8)
Symbolics. M. 2d Term. (9)

Spring Quarter. Revised.

PROFESSOR LAGERGREN.

The Doctrine of Man. M. 1st Term. (5) At 2:00
Pastoral Duties. M. 1st Term. (10) At 3:00

XLVII. CHURCH HISTORY. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Ancient Church History. M. 1st Term. (1)
Mediaeval Church History. M. 2d Term. (2)

Spring Quarter. Revised.

ASSISTANT PROFESSOR SANDELL.

Modern Church History. M. 1st Term. (3) At 9:30

XLVIII. HOMILETICS. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Theoretical Homiletics. M. 1st Term. (1)
Practical Homiletics. M. 2d Term. (2)

TIME SCHEDULE.

SPRING QUARTER, 1894.

The Laboratory Work of the Chemical Department and the Field Work of other Departments is not indicated in this time schedule.

Hours.	Divinity School.	Graduate School and University College of Arts and Literature.	Ogden (Graduate) School and University College of Science.	Academic Colleges.
A. M.				
8:30.	Epistle to the Hebrews (Mortan).	Advanced Psychology; Seminar (Strong). Scope and Method of Political Econ. (Caldwell). Roman and Babylonian (Terry). Social Psychology (Smith). History of the Septuagint (Arnot). Latin Hymns (Chandler). French Literature of 19th Cent. (Bergerson). Argumentative Composition (Lorett).	Theta Functions (Moore). Differential Equations (Boyd). Aromatic Compounds (Vurtiss) Thur. and Sat. 8:30-12:30. Spec. Bacteriology (Jordan) 2:30-4:30. Research in Osteol. (Baur), 8:30-12:30. Neurology (Donaldson).	Cicero, Livy, Terence, Tacitus (Miller). Ovid, Horace, Catullus, Cicero (Emery). French Gram. for Beginners (Kinne). Argumentative Comp., English (Lorett). Plane Trigonometry (Young). General Physics (Stratton). Elocution (Clark) Tuesday.
9:30.	Anthropology (Northrup). Gospel of Luke (Woodruff). Sacred Geography and Bibl. Antiquities (Grunderson). Modern Church History (Scudett).	Financial History of United States (A. C. Miller). Industrial and Economic History (Hill). Comparative Politics (Judson). Problems of Social Statistics (Small). Mesopotamian Geog. (R. F. Harper), 1st Term. Assyrian and Baby. Life (R. F. Harper), 2d Term. Thucydides (Tarbell). Roman Administration (Abbott). Old French (Knapp). French Rapid Reading (Bergerson). Spanish Readings (Wallace). Advanced English Composition (Herrick). Poetry of Spenser (Carpenter).	Finite Groups of Linear Substitutions (Maschke). Secular Perturbations (See). Petrology (Uddings). Original Investigation in Physiology (Loeb).	Lysias; Greek Exercises (Castle). French Rapid Reading (Kinne). Spanish Readings (Wallace). English Literature (Tolman). English Composition (Lorett). Gospel of Luke (Woodruff) 1st Term. Plane Anal. Geom. (Boyd). Elocution (Clark) Tuesday.
10:30.	Pauline Epistles (Votaw). Isaiah, 1-38 (Price). Calvin and the Swiss Reformation (Johnson). Epistle to the Ephesians (Grunderson).	Movem. of Thought in 19th Cent. (Tufts). 1 Term. Spencer's First Principles (Mezes), 2d term. History of Political Economy (Caldwell). Socialism (Tebben). (Howaritch), Mon. and Fri. Advanced Statistics (Howaritch), Mon. and Fri. Elements of Political Science (Judson). Italian Renaissance (Schmitt), Friday, 10:30-12:30. Economy of Living (Caldwell). Labor Legislation (Brenan). Samaritan Customs, Song Grammar (W. R. Harper), Saturday, 10:30-12:30. Assyrian Letters (R. F. Harper), 1st Term. Babylonian Contracts (R. F. Harper), 2d Term. Minor Proph. of Assy. Period (Katz), 1st Term. Messianic Prophecy (Kent), 2d Term. Sanskrit (Buck). Greek Drama (Shorey). Classical Archaeology (Tarbell). Development of Roman Oratory (Chandler). Elements of French Literature (Bergerson). Old Spanish (Knapp). Early 19th Century German Prose (Wood). Tragedy in Shakesp. Drama (Moulton). English Literature Seminar (Craw). Isaiah 1-38 (Price).	Theoretical Electricity (Maschke). General Physics, advanced (Michelson and Stratton). Geologic Life Develop. (Chamberlin). Anat. and Physiology of Cell (Wetase). General Physiology (Loeb).	Outline Hist. of Middle Ages (Thatcher). Greek Drama (Shorey). Homer's Odyssey (Castle). Messianic Prophecy (Kent) 2d Term. Required Mathem. (Young). General Physiology (Loeb). Elocution (Clark) Tuesday.

11:30.	Anthropology (<i>Northrup</i>). Homiletics (<i>Johanson</i>).	CHAPEL EXERCISE.	Geography of Europe (<i>Conger</i>). Outline Hist. of the United States (<i>Shepardson</i>). Prehistoric Archaeol. of North Am. (<i>Starr</i>). Early Historical Inscriptions (<i>R. F. Harper</i>). Outline of Hebrew History (<i>Kent</i>). Avestan (<i>Buck</i>). Hebrew, adv. Syntax and Conversation (<i>Bergeron</i>). Historical French Grammar (<i>Pojohn</i>). English Literature of 19th Cent. (<i>Triggs</i>).	Theory of Invariants (<i>Young</i>). History of Astronomy (<i>See</i>). Physics, Special Graduate Course (<i>Michelson</i>). Organic Chemistry (<i>Neff</i>). 1st Term. Petrography (<i>Liddings</i>). Comparative Osteology (<i>Baur</i>).	Geography of Europe (<i>Conger</i>). Outline of Hebrew History (<i>Kent</i>). Eloquence, Satires (<i>Bnier</i>). Elementary German Prose (<i>Schmidt-Wartenberg</i>). 1st Term. Engl. Liter. of 19th Cent. (<i>Triggs</i>). Required Mathem. (<i>Boyd</i>). Required Mathem. (<i>Staudt</i>). General Chemistry (<i>Leagfeld</i>). Elocution (<i>Clark</i>) Wednesday.
P. M. 12:30 to 1:00.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.
2:00.	History of Preaching (<i>Anderson</i>). System. Theology (<i>Lagergren</i>).	Social Economics (<i>Bemis</i>). Tariff History of United States (<i>Hill</i>). History of Greece (<i>Goodspeed</i>). The Family (<i>Henderson</i>) 1st Term. Social Institutions (<i>Henderson</i>) 2d Term. Anthropology. Laboratory Work (<i>Starr</i>). Arabic (<i>Huseh</i>). Mod. Discov. and the Old Test. (<i>Price</i>) 1st Term. German Ballads (<i>von Klenze</i>). Old Eng. Seminar (<i>Blackburn</i>). Mon. 2:00-4:00. Comp. Gram. of Old English Era (<i>Croce</i>). Poetic Forms in Elizabethan Era (<i>Croce</i>). Shakespeare (<i>Lovett</i>). Advanced Elocution (<i>Clark</i>). Tue. & Frid.	Solar Physics (<i>Hale</i>). Probability and Method of Least-Squares (<i>Laves</i>). Physics, Research Course (<i>Michelson</i>) at 1:30. Physics, Laboratory Practice (<i>Michelson and Stratton</i>) Thur. and Fri. Qualit. Anal. (<i>Schneider</i>) Thur. and Fri. Research in Osteology (<i>Baur</i>). Anat., Research Meth. (<i>Engelquemer</i>). Physiology, Laboratory Work (<i>Loeb</i>). Tuesday and Friday. Physiology, Laboratory Work (<i>Lingle</i>) Mon., Wedn., and Thur. Physiological Seminar (<i>Loeb</i>) Wedn.	Modern German Prose (<i>Schmidt-Wartenberg</i>). 2d Term. Rhetoric and Engl. Comp. 1 A. (<i>Herriek Lovett and Lewis</i>). Rhetoric and Engl. Comp. 1 B. (<i>Herriek Lovett and Lewis</i>) Wed. 1:30-4:00. Physics, Laborat. Pract. (<i>Hobbs</i>) 1:30 Advanced Elocution (<i>Clark</i>) Tue., Frid Elocution (<i>Clark</i>) Wednesday.	Modern German Prose (<i>Schmidt-Wartenberg</i>). 2d Term. Rhetoric and Engl. Comp. 1 A. (<i>Herriek Lovett and Lewis</i>). Rhetoric and Engl. Comp. 1 B. (<i>Herriek Lovett and Lewis</i>) Wed. 1:30-4:00. Physics, Laborat. Pract. (<i>Hobbs</i>) 1:30 Advanced Elocution (<i>Clark</i>) Tue., Frid Elocution (<i>Clark</i>) Wednesday.
3:00.	History of Preaching (<i>Anderson</i>). Eschatology (<i>Simpson</i>). Pastl. Duties (<i>Lagergren</i>).	Philosophy, Introductory Course (<i>Mezes</i>). Economic Seminar (<i>Laughlin</i>). State Interf. in Distrib. of Wealth (<i>Cummings</i>). French Revolution (<i>von Holst</i>). Seminar: Socialism (<i>Smith</i>) Thursday. Seminar: Soc. Org. (<i>Henderson</i>) Tues. 3:00-5:00. Seminar in Sanitary Science (<i>Talbot</i>). Applied Anthropology (<i>West</i>). Relig. of Greece, Rome, etc. (<i>Goodspeed</i>) Hebrew Syntax (<i>W. R. Harper</i>) 2d Term. Advanced Syriac (<i>Hirsch</i>). Books of Samuel (<i>Price</i>) 1st Term. Books of Samuel (<i>Crandall</i>) 1st Term. Seminar: Anc. Philos. (<i>Shorey</i>) Monday. Lit. Criticism of the Ancients (<i>Shorey</i>) Thurs. Seminar: Latin (<i>Hale</i>) Tues. 3:00-5:00. Seminar: Colloquial Lat. (<i>Abbott</i>) Wednesday. Goethe's Life (<i>von Klenze</i>). Intro. to Phon. (<i>Schmidt-Wartenberg</i>) 2d Term. Old High Germ. (<i>Schmidt-Wartenberg</i>) 1st Term. Old English, Elementary Course (<i>Blackburn</i>). Hist. of English Prose Literature (<i>Herriek</i>). Nineteenth Cent. Literary Movements (<i>Triggs</i>). Seminar in Finance (<i>A. C. Miller</i>). Seminar in Politics (<i>Judson</i>) Tues. 4:00-6:00. Seminar: History (<i>von Holst</i>). Mond. 4:00-6:00. Seminar: Engl. Inst. (<i>Terry</i>). Wed. and Frid. 4:00-6:00. History of Egypt (<i>Goodspeed</i>). 1st Term. History of Babyl. and Assy. (<i>Goodspeed</i>). 2d Term. The Three Legal Codes (<i>W. R. Harper</i>). 1st Term. Old Test. Legal Literature (<i>W. R. Harper</i>). 2d Term. Sight Transl. in Hebrew (<i>Crandall</i>). 2d Term. Heine's Prose and Poetry (<i>von Klenze</i>) Seminar: Orig. of Shakespeare's Plays (<i>Tolman</i>). Tuesday and Friday, 4:00-6:00.	Mathem. Seminar (<i>Moore</i>) altern. Frid. Determination of Orbits of Planets (<i>Laves</i>). Astronomical Seminar (<i>See and Laves</i>) alternate Fridays. Cellular Biology (<i>Watasé</i>), at the Biological Club. Seminar in Comp. Osteology (<i>Baur</i>). Research in Osteology (<i>Baur</i>). Physiology, Labor. Work (<i>Loeb</i>). Tue. and Frid. Physiology, Labor. Work (<i>Lingle</i>) Mon. Wedn. and Thur. Physiological Sem. (<i>Loeb</i>) Wedn. Comparative Anatomy, Lect. (<i>Meyer</i>). Frid. 3:00-5:00.	Online History of Modern Europe (<i>Schmitt</i>). Cicero, Livy, Terence, Tacitus (<i>Müller</i>). French gram. for Beginners (<i>Kinne</i>). History of English Prose Literature (<i>Herriek</i>). Elocution (<i>Clark</i>) Wednesday.	Online History of Modern Europe (<i>Schmitt</i>). Cicero, Livy, Terence, Tacitus (<i>Müller</i>). French gram. for Beginners (<i>Kinne</i>). History of English Prose Literature (<i>Herriek</i>). Elocution (<i>Clark</i>) Wednesday.
4:00.					

The Official and Semi-Official Organizations.

NOTE.—It has been decided to publish in the *QUARTERLY CALENDAR* brief abstracts of papers read at the meeting of the Union, the Philological Society, and the Departmental Clubs. The presiding officers of these associations are requested to announce this decision at the meetings of their club; and the secretaries are expected to send at their earliest convenience, to the Recorder's office, a report containing: (1) Date of regular meeting of the Club, and (2) List of officers elected for the current year. It shall also be the Secretary's duty to furnish to the Recorder the titles of articles to be presented to the Clubs at their next meeting, and to see that brief abstracts of these communications are sent to the Recorder's Office within ten days after the meeting of the Club.

OFFICERS OF THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

President—William B. Owen, of the Classical Club.
Vice President—Madeleine Wallin, of the Political Science and History Club.

Secretary and Treasurer—J. A. Smith, of the Mathematical Club.

Meets on the last Friday of the first term of each Quarter, at 8:00 P.M., in *Theatre, Kent Chemical Laboratory*.

THE PHILOLOGICAL SOCIETY.

President—Head Professor W. G. Hale.
Vice President—Assistant Professor S. W. Cutting.
Secretary—Associate Professor F. F. Abbott.
Programme Committee—The President, Vice President, and the Secretary, with W. B. Owen and Susan R. Cutler, of the Graduate School.

The Society meets in Room B 8, Cobb Lecture Hall, on the third Friday of each Term, 8:00 P.M.

THE DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

President—Head Professor C. O. Whitman.
Vice President—Professor H. H. Donaldson.
Secretary and Treasurer—A. D. Mead, who also represents the Club in the University Union.

Meets fortnightly, Wednesdays at 3:00 P.M. in *Kent Chemical Laboratory*.

THE CHEMICAL CLUB.

President—Professor J. U. Nef.
Delegate to the University Union—R. W. Wood.

Meets every Friday at 8:00 P.M. in *Lecture Room, Kent Chemical Laboratory*.

THE CHURCH HISTORY CLUB.

President—A. W. Wishart.
Secretary—C. D. Case.
Delegate to the University Union—A. W. Wishart.

Meets on the first Tuesday at 8:00 P.M. of each month in the Faculty Room.

THE CLASSICAL CLUB.

President—Head Professor W. G. Hale.
Vice President—Professor Paul Shorey.
Secretary—S. Frances Pellett.
Delegate to the University Union—W. B. Owen.
Executive Committee—The President, Vice-President, and the Secretary, with Arthur T. Walker and Emily James Smith, of the Graduate School.

Meets monthly.

THE ENGLISH CLUB.

President—Assistant Professor F. A. Blackburn.
Secretary—Assistant Professor A. H. Tolman.
Delegate to the University Union—L. D. Milliman.
Programme Committee—The President, Secretary, and Delegate.

The meetings are to be held hereafter upon Tuesday evening of the third, seventh, and eleventh weeks of each quarter, in Cobb Lecture Hall, Room B 10, at 8:00 P.M.

THE EXEGETICAL CLUB.

President—Harry Howard.
 Secretary and Treasurer—E. A. Read.
 Delegate to the University Union—L. D. Osborn.
 Programme Committee—Professors Price,
 Burton, and Goodspeed.

Meets fortnightly on Tuesday evening, in D 16.

THE GEOLOGICAL CLUB.

President—Dr. J. C. Merriam.
 Vice President—Dr. E. C. Quereau.
 Secretary—E. Ch. Perisho.
 Delegate to the University Union—E. C.
 Quereau.

Meets fortnightly, Tuesdays at 4:00 P.M., in Walker
 Museum.

THE GERMANIC CLUB.

President—Assistant Professor S. W. Cutting.
 Secretary—F. A. Wood.
 Delegate to the University Union—F. A. Wood.

Meets weekly on Mondays at 2:00 P.M. in B 11.

THE LATIN CLUB.

President—Dr. F. J. Miller.
 Secretary—Harry W. Stone.
 Delegate to the University Union—Henry G.
 Gale.

Meets monthly, 8:00 P.M., at 5410 Madison av.

THE MATHEMATICAL CLUB AND SEMINAR.

Conducted by the Instructors of the Mathematical
 Faculty; meets fortnightly, Fridays at 3:00 P.M., in
 Room C 17.

Delegate to the University Union—J. Archie
 Smith.

*THE NEW TESTAMENT JOURNAL AND
 ESSAY CLUB.*

President—Dr. W. M. Arnolt.
 Vice President—Head Professor E. D. Burton.
 Secretary—C. E. Woodruff.
 Delegate to the University Union—A. T. Watson.

Meets fortnightly on Wednesdays from 4:00 to
 6:00 P.M., in D 13.

THE PALÆONTOLOGICAL CLUB.

President—Assistant Professor G. Baur.
 Secretary—Wm. E. Taylor.
 Delegate to the University Union—Dr. J. C.
 Merriam.

Meets fortnightly on Mondays at 3:00 P.M., in
 Walker Museum, 3d floor.

THE PHYSICS CLUB.

This Club has not yet organized; but will do so, as
 soon as the Department has moved into its new
 quarters.

THE POLITICAL ECONOMY CLUB.

Honorary President—Head Professor J. L.
 Laughlin.
 President—William Hill.
 Secretary and Treasurer—J. Cummings.
 Delegate to the University Union—Dr. Thor-
 stein B. Veblen.
 Executive Committee—The President, Secre-
 tary, Sarah M. Hardy, John Cummings, and
 Robert F. Hoxie.

Meets Thursdays at 7:30 P.M. in the Faculty Room.

*THE POLITICAL SCIENCE AND HISTORY
 CLUB.*

President—Professor H. P. Judson.
 Secretary and Treasurer—Cora L. Start.
 Delegate to the University Union—Madeleine
 Wallin.
 Executive Committee—Madeleine Wallin, Chas.
 Goodspeed, and Chas. J. Conger.

Meets fortnightly on Wednesdays at 8:00 P.M., in
 the Faculty Room.

THE SEMITIC CLUB.

President—Associate Professor Ira M. Price.

Secretary—Edgar J. Goodspeed.

Delegate to University Union—John Byrd Whaley.

Meets fortnightly on Thursdays at 7:30 P.M., in the Room of the Semitic Seminar.

THE SOCIAL SCIENCE CLUB.

President—Daniel Fulcomer.

Vice President—J. W. Howerth.

Secretary and Treasurer—C. A. Hastings.

Delegate to the University Union—Hannah B. Clark.

Meets fortnightly on Mondays at 7:30 P.M. in the Faculty Room.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

OFFICERS OF THE CHRISTIAN UNION.

President—Assistant Professor C. R. Henderson.

Vice President—C. W. Spencer.

Secretary and Treasurer—F. W. Woods.

Chairman of the Committee on:

Bible Study—J. H. Grant.

Social Life—H. W. Stone.

Public Worship—C. W. Spencer.

Philanthropic Work—M. L. Marot;

And associated with her are: Misses A. C. Wilmarth, M. Reynolds, M. B. Hancock, C. L. Jones, S. M. Hardy, and M. Wallin; Messrs. C. K. Chase, J. H. Grant, and R. F. Hoxie. Head Professor J. L. Laughlin and Assistant Professor O. J. Thatcher.

The Executive Committee holds its regular meetings on the first and third Tuesdays of each month at 5:00 P.M. It is composed of the officers of the Christian Union and the Chairmen of the several Committees, together with the Presidents of the related societies.

OFFICERS OF THE RELATED SOCIETIES.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

President—Theo. G. Soares.

Meets every Friday, at 6:45 P. M., in *Lecture Room, Cobb Lecture Hall*.

THE LITERARY SOCIETY OF THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

President—H. M. Andersen.

Vice President—C. P. Grarup.

Secretary—Edw. P. Johnson.

Critic—T. O. Wold.

Programme Committee—A. L. Brandsmark, P. P. Overgaard, and S. O. Børsheim.

Meets fortnightly on Mondays at 8:00 P.M., in D 9.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

President—Mrs. Z. A. Dixson.

Meets every Thursday at 1:30 P.M., in *Lecture Room, Cobb Lecture Hall*.

Union Meetings of the two Associations are held on Sundays, at 6:45 P. M.

THE MISSIONARY SOCIETY

Of the Divinity School of the University of Chicago.

President—E. A. Read.

Vice President—C. A. Salquist.

Treasurer—E. G. Stucker.

Secretary—C. D. Case.

Meets fortnightly on Thursday evening, in *Chapel, Cobb Lecture Hall*.

VOLUNTEER BAND

Of the University of Chicago.

President—J. T. Proctor.

Secretary—Miss Nora Thompson.

Meets monthly in D 6.

THE UNIVERSITY CHAPEL.

The following Instructors in the University have been invited to act as Chaplains for the periods announced:

Jan. 29-Feb. 3. Head Professor A. W. Small.
 Feb. 5-10. Registrar H. B. Grose.
 Feb. 12-17. Head Professor E. B. Hulbert.
 Feb. 19-24. Head Professor W. G. Hale.
 Feb. 26-Mar. 3. Assistant Professor Mrs. M. F. Crow.
 Mar. 5-10. Head Professor G. Anderson.

Mar. 12-17. Professor H. P. Judson.
 Mar. 19-24. Head Professor E. D. Burton.
 Mar. 26-31. Assistant Professor B. F. Simpson.
 Apr. 2-7. Assistant Professor H. C. Tolman.
 Apr. 9-14. Assistant Professor J. H. Tufts.
 Apr. 16-21. Head Professor G. W. Northrup.
 Apr. 23-28. Professor E. G. Hirsch.

Chapel Service is held from 12:30 to 1:00 P. M. every day except Sundays and Mondays.

THE EMPLOYMENT BUREAU.

Students who desire to take up with the work of the Chicago City Directory next May should choose their courses with a view to vacation during the second term of the Spring Quarter, and should also report to the University Steward.

Students who desire to take the examination for

Certificates as Grammar School Principals or High School Assistants, should hand their names to the University Steward. The examination will occur late in June.

The examination for Certificates as City High School Teachers will occur about September 15.

THE STUDENTS' FUND SOCIETY.

This Society makes loans upon the joint recommendation of its own Committee and a Committee of the Faculty. Students are not eligible for loans until they have been members of the University one Quarter. Applications are considered by the Committee of the Faculty at the beginning of each Quarter, but in order that the necessary preliminary information may be secured all applications for loans to be granted in any Quarter must be handed in to *Assistant Professor Tufts*, Chairman, by the end of the eleventh week of the preceding Quarter. Application blanks may be secured at the office of the Registrar.

The Officers of the Society are:

President—A. A. Sprague.

Vice President—Norman Williams.

Secretary—Charles H. Hamill.

Treasurer—Byron L. Smith.

The Officers of the Executive Committee are:

President—Mrs. H. M. Wilmarth.

Vice President—Mrs. George E. Adams.

Secretary—Mrs. Noble B. Judah.

The Board of Directors consists of seven gentlemen and twelve ladies.

The Committee of the Faculty is composed of:

Assistant Professor J. H. Tufts, Chairman; Dean Judson, Dean Talbot, Associate Professor Stagg, Assistant Professor Cutting, and Dr. Young.

The University Extension Division.

JANUARY 1, 1894.

NOTE.—The University Extension Division offers instruction according to three different methods: (1) by Lecture-studies with the usual features of syllabus, review, weekly exercise, and examination; (2) by Class-instruction in classes organized outside of the University, but within the limits of the City of Chicago, and meeting on Evenings and Saturdays; (3) by Correspondence.

The following is a list of the courses of instruction at present offered in the University Extension Division by each of these methods. This list will necessarily be modified as the demand for new courses arises.

For a complete account of the aims and methods of University Extension work consult the Circular of Information issued by the University Extension Division.

The numbers of the Departments correspond with those in the University (proper).

THE LECTURE-STUDY DEPARTMENT.

NATHANIEL BUTLER, JR., *Secretary.*

II. POLITICAL ECONOMY.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.
Questions of Monopoly and Taxation.
Money.

III. POLITICAL SCIENCE.

PROFESSOR JUDSON.

American Politics.
I The Period of Dominant Foreign Influence.
II The Period of Dominant Internal Development.

MISS BROWN.

The United States; The Making of a Nation.

MR. CONGER.

Historical and Political Geography.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.
The Ethnic Foundation of Modern Civilization.
Political Foundation of Modern Civilization.

PROFESSOR GORDY.

The History of Political Parties in the United States.
Representative American Statesmen.

ASSISTANT PROFESSOR THATCHER.

The History of the Middle Ages.
Mohammed, Mohammedanism, and the Crusades.

MR. GROSE.

The Political Development of the European Nations since 1792.

The Founding of the German Empire of To-Day.
Studies in the History of Europe from the French Revolution to the Present Time.
Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

MR. HODGIN.

American Discovery and Colonization.
American Revolutionary History.
The Great Compromises.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. POTTER.

The Colonial Era.
The Making of the Nation.

MR. WEBSTER.

The Making of a Federal Republic.
Six American Statesmen.

MR. WISHART.

Monks and Monasteries.

V. SOCIAL SCIENCE AND ANTHROPOLOGY

HEAD PROFESSOR SMALL.

First Steps in Sociology.

ASSISTANT PROFESSOR HENDERSON.

Charities and Corrections.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.
The Native Races of North America.

Prehistoric Archæology of Europe.
Evolution.

MR. ZEUBLIN.

A Century of Social Reform.
The Industrial Revolution.
English Fiction and Social Reform.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Christianity and Social Science.
Means of Social Reform.

VI. COMPARATIVE RELIGIONS.

MR. BUCKLEY.

The Religions of Japan.

VII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

X AND XI. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.
Homer, the Iliad.
Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

DR. MILLER.

Virgil.

XIII. GERMANIC LANGUAGES AND LITERATURES.

ASSISTANT PROFESSOR CUTTING.

Goethe.

XIV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.
Ancient Tragedy for English Audiences.
Stories as a Mode of Thinking.
Spenser's Legend of Temperance.
Literary Criticism and Theory of Interpretation.
Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.
Some Studies in American Literature.

ASSISTANT PROFESSOR CROW.

Literature of the Age of Elizabeth: A Course
Preparatory to the Study of Shakespeare.
George Meredith.

ASSISTANT PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.
English Romantic Poets from 1780 to 1830.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

MR. TRIGGS.

Robert Browning.

MR. HOOPER.

American Prose Writers.
American Poets.

MR. OGDEN.

English Words.
History and Structure of English Speech.
Old English Life and Literature.
American Poets and Poetry.

MISS CHAPIN.

General Survey of American Literature.
Masterpieces of English Poetry.

XV. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR HARPER.

The Stories of Genesis.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR HIRSCH.

Religion in the Talmud.
The Jewish Sects.
Biblical Literature.
History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old Testament.
The Forgotten Empire and the Old Testament.

ASSISTANT PROFESSOR THATCHER.

The Apostolic Church.

DR. KENT.

Hebrew Prophecy studied in the Light of the Minor Prophets.
Social Philosophy of the Hebrews.
Hebrew Wisdom Literature.

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.

Sources and Relations of the Four Gospels.

Jewish and Christian Writings parallel with, but
excluded from, Our Bible.

Mr. BOYER.
Zoölogy.

XXII. ZOÖLOGY.

DR. SEE.

XVII. ASTRONOMY.

General Astronomy.

Mr. MORSE.

MICROSCOPY.

The Microscope and its Uses.

XVIII. PHYSICS.

ASSISTANT PROFESSOR STRATTON.

Sound.

MR. BELDING.

Elements of Electricity and Magnetism.

MR. CORNISH.

Hydrostatics and Pneumatics.

XIX. CHEMISTRY.

MR. MORSE.

General Chemistry.

Chemistry of Every-day Life.

MR. FRENCH.

ART.

Painting and Sculpture.

MR. TAFT.

Ancient Sculpture.

Contemporary French Art.

German Art of the Nineteenth Century.

Art at the Columbian Exposition.

MR. SCHREIBER.

History of Art.

XX. GEOLOGY.

RUSSIAN LITERATURE.

PROFESSOR SALISBURY.

Landscape Geology.

The Evolution of the North American Continent.

MR. HOURWICH.

Studies in Russian Literature.

THE CLASS-WORK DEPARTMENT.

OLIVER J. THATCHER, *Secretary*.

NOTE.—The following is a list of the titles of Evening and Saturday Courses offered by University instructors. Whenever ten or more students apply for instruction in the same subject, and agree upon a place and time of meeting, a class in that subject is organized.

I. PHILOSOPHY.

DR. MEZES.

Psychology. DM.

XII. ROMANCE LITERATURE, AND PHILOSOPHY.

M. DE POYEN-BELLISLE.

French. M.

II. POLITICAL ECONOMY.

MR. HILL.

Principles of Political Economy. DM.

XIII. GERMANIC LANGUAGES AND LITERATURES.

MR. MÜLFINGER.

German. DM.

III. POLITICAL SCIENCE.

MR. WILCOX.

Civil Government of the United States. DM.

XIV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

ASSISTANT PROFESSOR McCLINTOCK.

The Elements of Literature. MM.

MR. TRIGGS.

Nineteenth Century Literature. M.

MR. LOVETT.

Rhetoric. DM.

IV. HISTORY.

The History of the Reformation. M.

XI. THE LATIN LANGUAGE AND LITERATURE.

DR. MILLER.

Latin. M.

MR. ORR.

Cæsar. M.

XVI. MATHEMATICS.

DR. YOUNG.

Elementary Algebra. M.

Algebra. M.

MR. MANN.

Plane Trigonometry. M.

MR. CORNISH.

Physics. M.

XVII. ASTRONOMY.

DR. SEE.

General Astronomy. DM.

XIX. CHEMISTRY.

MR. MORSE.

Elementary Chemistry.

XX. GEOLOGY.

MR. KÜMMEL.

Geographic Geology. M.

XXII. ZOÖLOGY AND PALEONTOLOGY.

MR. BOYER.

Elementary Zoölogy. MM.

XXVI. ELOCUTION.

MR. CLARK.

Reading. M.

*CORRESPONDENCE TEACHING DEPARTMENT.*OLIVER J. THATCHER, *Secretary.*

NOTE.—Instruction by correspondence may be either formal or informal. In formal correspondence, the work is carried on in much the same way as in the class room, by means of a definite number of lesson and recitation papers. In informal correspondence, no formal lesson papers are given. The work to be done is carefully planned by the instructor, the necessary directions are given, and ordinarily a thesis or paper is required of the student, who is free at all times to ask for help and advice as difficulties arise. This method is employed only with graduate students.

I. PHILOSOPHY.

Psychology. MM.

Logic. M.

Assistant Professor Tufts offers instruction by informal correspondence in the History of Philosophy.

II. POLITICAL ECONOMY.

Principles of Political Economy. MM.

III. POLITICAL SCIENCE.

Professor Judson offers instruction by informal correspondence in Political Science.

IV. HISTORY.

Roman History to the Death of Augustus. M.

Greek History to the Death of Alexander. M.

History of the United States. M.

The History of England till the Accession of the Tudors. MM.

The History of Europe from the Invasion of the Barbarians till the Death of Charlemagne. M.

The History of Europe from 800 to 1500 A.D. MM.

The Period of Discovery and Exploration in America. M.

The Colonial Period and the War of the Revolution. MM.

The Political History of the Confederation, from the union of the Colonies against Great Britain to the formation of a National Government. M.

The Political History of the United States, from the formation of the National Government to the period of dominant foreign politics (1789-1815). M.

The Political and Constitutional History of the United States, from the formation of the Confederation to the War of Secession, continued. M.

Dr. Shepardson offers instruction by informal correspondence in the History of the United States.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

The Methodology of Social Science. Open only to those who read both French and German fluently. MM.

Introduction to the study of the Dependent, Defective, and Delinquent Classes, and their Social Treatment. Two consecutive Majors.

The Family. M.

Non-economical and non-political Social Groups. M.

Anthropology. Elementary Course. MM.

VII. SEMITIC LANGUAGES AND LITERATURES.

Beginning Hebrew. M.

Intermediate Hebrew. M.

Exodus and Hebrew Grammar. M.

Haggai, Zechariah, and Malachi, with Hebrew Syntax. M.

Arabic for beginners. MM.

Assyrian for beginners. M.

Professor Harper offers instruction by informal correspondence in Hebrew.

VIII. BIBLICAL AND PATRISTIC GREEK.

Beginning New Testament Greek. M.

Intermediate New Testament Greek. M.

The Acts of the Apostles. M.

Professor Burton offers instruction by informal correspondence in the Greek New Testament.

IX. SANSKRIT AND INDO-EUROPEAN PHILOLOGY.

Sanskrit for Beginners. MM.

X. GREEK LANGUAGE AND LITERATURE.

Greek Primer for Beginners. Two consecutive Majors.

Xenophon's Anabasis, Books II-III. MM.

Xenophon's Anabasis, Books IV-V. MM.

Homer's Iliad, I Book. MM.

Homer's Iliad, Books II-IV. MM.

Xenophon's Memorabilia. MM.

Lysias, Selected Orations, History of Greek Prose Literature. MM.

Professor Shorey offers instruction by informal correspondence in Greek.

XI. THE LATIN LANGUAGE AND LITERATURE.

Latin Primer for Beginners. Two consecutive Majors.

Cæsar, Book II. MM.

Cæsar, Books III-IV. MM.

Cæsar, Book I, advanced. M.

Cicero. MM.

Cicero. MM.

Virgil, Book I. MM.

Virgil, Books II-III. MM.

Virgil, Books IV-VI. MM.

Cicero, De Senectute. Writing of Latin. MM.

Livy, Selections. Writing of Latin. MM.

Odes of Horace. Books I-II. MM.

XII. ROMANCE LITERATURE AND PHILOLOGY.

French for Beginners. MM.

A thorough course in Spanish Grammar with extensive readings. Two consecutive Majors.

XIII. GERMANIC LANGUAGES AND LITERATURES.

German for Beginners. MM.

German, advanced. MM.

Assistant Professor Cutting offers instruction by informal correspondence in German Literature.

XIV. THE ENGLISH LANGUAGE, LITERATURE, AND RHETORIC.

Rhetoric and Composition. MM.

Outline History of English Literature and the Study of Masterpieces. MM.

Studies in Tennyson. M.

Studies in Browning. M.

Studies in Matthew Arnold and Rosetti. M.

Studies in Shakespeare. MM.

English Romantic Poetry from 1750-1830. Studies in Cowper, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, etc. MM.

XV. BIBLICAL LITERATURE IN ENGLISH.

Samuel, Saul, David, and Solomon. M.

The Life of Christ in connection with the Gospel of Luke. M.

The Gospel of John. M.

The Founding of the Apostolic Church. First Half. M.

XVI. MATHEMATICS.

Algebra in three successive Majors.

Plane Geometry in three successive Majors.

Solid Geometry. M.

College Algebra. MM.

Theory of Equations. M.

Plane Trigonometry. MM.

Special Trigonometry. M.

Analytic Geometry. MM.

Calculus. Two Consecutive Majors.

Analytic Geometry, advanced course. MM.

Analytic Mechanics. MM.

Differential Equations. Two Consecutive Majors.

Professor Moore offers instruction by informal correspondence in higher Mathematics.

Appendices.

ORDER OF EXAMINATIONS FOR ADMISSION.

FOR THE SPRING QUARTER, 1894.

MARCH 21, 22, and 23.

WEDNESDAY, MARCH 21.

Latin 3)	-	-	-	-	-	-	9:00—10:00	Advanced German	-	-	-	-	-	2:00—4:00
Latin 1)	-	-	-	-	-	-	10:00—10:45	Elementary German	-	-	-	-	-	2:00—3:00
History of the United States	-	-	-	-	-	-	10:45—11:30	Greek 4)	-	-	-	-	-	3:00—4:00
History of Greece	-	-	-	-	-	-	11:30—12:15	Algebra	-	-	-	-	-	4:00—5:00
Latin 2)	-	-	-	-	-	-	12:15—12:45							

THURSDAY, MARCH 22.

Greek 3)	-	-	-	-	-	-	9:00—10:00	English	-	-	-	-	-	2:00—3:30
Advanced French	-	-	-	-	-	-	9:00—11:00	Solid Geometry	-	-	-	-	-	3:30—4:15
Elementary French	-	-	-	-	-	-	10:00—11:00	History of Rome	-	-	-	-	-	4:15—5:00
Greek 1)	-	-	-	-	-	-	11:00—12:15							

FRIDAY, MARCH 23.

Plane Geometry	-	-	-	-	-	-	9:00—10:00	Latin 4)	-	-	-	-	-	1:30—2:45
Physics	-	-	-	-	-	-	10:00—12:00	Geology, Astronomy, Physiography	-	-	-	-	-	1:30—2:30
								Biology	-	-	-	-	-	2:30—3:30
								Latin 5)	-	-	-	-	-	2:45—3:30
								Greek 2)	-	-	-	-	-	3:30—4:00
								Chemistry	-	-	-	-	-	3:30—5:30

EXAMINATIONS FOR ADMISSION.

FOR THE SUMMER QUARTER, 1894. JUNE 20, 21, AND 22.

FOR THE AUTUMN QUARTER, 1894. SEPTEMBER 19, 20, AND 21.

FOR THE WINTER QUARTER, 1895. DECEMBER 19, 20, AND 21.

STATED MEETINGS.

THE BOARD OF TRUSTEES holds stated meetings on the last Tuesday of each month.

THE VARIOUS FACULTIES hold stated meetings as follows :

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE, on the third Thursday.

THE FACULTY OF THE DIVINITY SCHOOL on the second Thursday.

THE UNIVERSITY EXTENSION FACULTY, on the first Monday.

THE SENATE holds stated meetings on the first Friday.

THE COUNCIL holds stated meetings on the second Friday.

THE UNIVERSITY ADMINISTRATIVE BOARDS hold stated meetings monthly as follows :

OF THE UNIVERSITY PRESS, on the third Friday.

OF LIBRARIES, LABORATORIES, AND MUSEUMS, on the fourth Friday.

THE FACULTY ADMINISTRATIVE BOARDS hold stated meetings as follows :

OF THE ACADEMIC COLLEGES, on the first Wednesday.

OF THE UNIVERSITY COLLEGES, on the second Wednesday.

OF THE OGDEN (GRADUATE) SCHOOL OF SCIENCE, on the third Wednesday.

OF THE GRADUATE SCHOOL OF ARTS AND LITERATURE, on the fourth Wednesday.

THE REGULAR UNIVERSITY EXAMINATIONS are held in each subject at the hour of the last exercise of the term (or the quarter) in that subject. EXAMINATIONS FOR ADVANCED STANDING will be held on the second day of each quarter.

THESES OF CANDIDATES for higher degrees must be presented two months before the end of the students work.

NOTE 1.—Term examinations will be held regularly in the middle and at the end of each Quarter.

OFFICIAL PUBLICATIONS OF THE UNIVERSITY OF CHICAGO.

The **University Register** is issued about May 1 of each year. It contains a full statement in respect to the organization of the University, the Faculties, the Courses offered during the year, lists of students, requirements for admission, regulations governing the various schools and colleges of the University, an historical statement concerning the University, University clubs and organizations, etc.

The **University Calendar** is issued about the first day of May, August, November, February, and contains an historical statement of the University work of the preceding quarter, the Registration of Students during the quarter, and lists of courses of instruction to be offered during succeeding quarters.

The **Circular of Information** concerning the departments of Arts, Literature, and Science contains full information as to admission to the Schools and Colleges of these departments and lists of the courses given.

The **Circular of Information of the Divinity School** contains all information concerning the Divinity School courses, admission, etc.

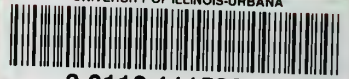
The **Circular of Information of the University Extension Division** contains lists of lecturers, and courses offered, statement of correspondence work, class work, etc.

Departmental Programmes are issued by many of the departments of instruction, and give fuller details of the work of the departments than can be given in the Register or the Calendars.





UNIVERSITY OF ILLINOIS-URBANA



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